e-form No. S16-I
電子表格第 S16-I 號

APPLICATION FOR PERMISSION UNDER SECTION 16 OF THE TOWN PLANNING ORDINANCE (CAP. 131)

根據《城市規劃條例》(第131章)第16條遞交的許可申請

2024年 1月 16日

此文件在_____收到。城市規劃委員會只會在收到所有必要的資料及文件後才正式確認收到申請的日期。

This document is received on 16 JAN 2024. The Town Planning Board will formally acknowledge the date of receipt of the application only upon receipt of all the required information and documents.

Applicable to proposals not involving or not only involving:
適用於建議不涉及或不祇涉及:

(i) Construction of "New Territories Exempted House(s)";
興建「新界豁免管制屋宇」;

(ii) Temporary use/development of land and/or building not exceeding 3 years in rural areas or Regulated Areas; and
位於鄉郊地區或受規管地區土地上及/或建築物內進行為期不超過三年的臨時用途/發展;及

(iii) Renewal of permission for temporary use or development in rural areas or Regulated Areas
位於鄉郊地區或受規管地區的臨時用途或發展的許可續期

Applicant who would like to publish the notice of application in local newspapers to meet one of the Town Planning Board's requirements of taking reasonable steps to obtain consent of or give notification to the current land owner, please refer to the following link regarding publishing the notice in the designated newspapers: https://www.tpb.gov.hk/en/plan_application/apply.html

申請人如欲在本地報章刊登申請通知,以採取城市規劃委員會就取得現行土地擁有人的同意或通知現行土地擁有人所指定的其中一項合理步驟,請瀏覽以下網址有關在指定的報章刊登通知:
https://www.tpb.gov.hk/tc/plan_application/apply.html

General Note and Annotation for the Form
填寫表格的一般指引及註解

\# "Current land owner" means any person whose name is registered in the Land Registry as that of an owner of the land to which the application relates, as at 6 weeks before the application is made
「現行土地擁有人」指在提出申請前六星期,其姓名或名稱已在土地註冊處註冊為該申請所關乎的土地的擁有人的人

& Please attach documentary proof 請夾附證明文件

^ Please insert number where appropriate 請在適當地方註明編號

Please fill "NA" for inapplicable item 請在不適用的項目填寫「不適用」

Please use separate sheets if the space provided is insufficient 如所提供的空間不足,請另頁說明

Please insert a「✓」at the appropriate box 請在適當的方格內上加上「✓」號

For Official Use Only 請勿填寫此欄	Application No. 申請編號	A/NE-KLH/639
	Date Received 收到日期	16 JAN 2024

1. The completed form and supporting documents (if any) should be sent to the Secretary, Town Planning Board (the Board), 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong.
申請人須把填妥的申請表格及其他支持申請的文件 (倘有)，送交香港北角渣華道 333 號北角政府合署 15 樓城市規劃委員會(下稱「委員會」)秘書收。

2. Please read the "Guidance Notes" carefully before you fill in this form. The document can be downloaded from the Board's website at http://www.tpb.gov.hk/. It can also be obtained from the Secretariat of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong (Tel: 2231 4810 or 2231 4835), and the Planning Enquiry Counters of the Planning Department (Hotline: 2231 5000) (17/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong and 14/F, Sha Tin Government Offices, 1 Sheung Wo Che Road, Sha Tin, New Territories).
請先細閱《申請須知》的資料單張，然後填寫此表格。該份文件可從委員會的網頁下載 (網址：http://www.tpb.gov.hk/)，亦可向委員會秘書處 (香港北角渣華道 333 號北角政府合署 15 樓 – 電話：2231 4810 或 2231 4835)及規劃署的規劃資料查詢處(熱線：2231 5000) (香港北角渣華道 333 號北角政府合署 17 樓及新界沙田上禾輋路 1 號沙田政府合署 14 樓)索取。

3. This form can be downloaded from the Board's website, and obtained from the Secretariat of the Board and the Planning Enquiry Counters of the Planning Department. The form should be typed or completed in block letters. The processing of the application may be refused if the required information or the required copies are incomplete.
此表格可從委員會的網頁下載，亦可向委員會秘書處及規劃署的規劃資料查詢處索取。申請人須以打印方式或以正楷填寫表格。如果申請人所提交的資料或文件副本不齊全，委員會可拒絕處理有關申請。

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1. Name of Applicant 申請人姓名/名稱

Cheung Wai Nang (Mr. 先生)

2. Name of Authorised Agent (if applicable) 獲授權代理人姓名/名稱（如適用）

3. Application Site 申請地點

(a) Full address / location / demarcation district and lot number (if applicable) 詳細地址／地點／丈量約份及地段號碼（如適用）	DD7 Lot 1005, Wai Tau Tsuen
(b) Site area and/or gross floor area involved 涉及的地盤面積及／或總樓面面積	☑Site area 地盤面積 346 sq.m 平方米☑About 約 ☑Gross floor area 總樓面面積 242 sq.m 平方米☑About 約
(c) Area of Government land included (if any) 所包括的政府土地面積（倘有）	..... sq.m 平方米 ☐About 約

(d) Name and number of the related statutory plan(s) 有關法定圖則的名稱及編號	S/NE-KLH/11
(e) Land use zone(s) involved 涉及的土地用途地帶	V
(f) Current use(s) 現時用途	Agriculture (If there are any Government, institution or community facilities, please illustrate on plan and specify the use and gross floor area) (如有任何政府、機構或社區設施，請在圖則上顯示，並註明用途及總樓面面積)
(g) Additional Information (if applicable) 附加資料（如適用）	N/A

4. "Current Land Owner" of Application Site 申請地點的「現行土地擁有人」

The applicant 申請人 –

☑ is the sole "current land owner"#& (please proceed to Part 6 and attach documentary proof of ownership).
是唯一的「現行土地擁有人」#& (請繼續填寫第 6 部分，並夾附業權證明文件)。

☐ is one of the "current land owners"#& (please attach documentary proof of ownership).
是其中一名「現行土地擁有人」#& (請夾附業權證明文件)。

☐ is not a "current land owner"#.
並不是「現行土地擁有人」#。

☐ The application site is entirely on Government land (please proceed to Part 6).
申請地點完全位於政府土地上（請繼續填寫第 6 部分）。

5. Statement on Owner's Consent/Notification
就土地擁有人的同意/通知土地擁有人的陳述

(a) According to the record(s) of the Land Registry as at ..... (DD/MM/YYYY), this application involves a total of "current land owner(s) "#.
根據土地註冊處截至 ..... (日/月/年)的記錄，這宗申請共牽涉 ..... 名「現行土地擁有人」#。

(b) The applicant 申請人 –

☐ has obtained consent(s) of ..... "current land owner(s)"#.

已取得 ..... 名「現行土地擁有人」#的同意。

Details of consent of "current land owner(s)"# obtained 取得「現行土地擁有人」#同意的詳情		
No. of 'Current Land Owner(s)' 「現行土地擁有人」數目	Lot number/address of premises as shown in the record of the Land Registry where consent(s) has/have been obtained 根據土地註冊處記錄已獲得同意的地段號碼／處所地址	Date of consent obtained (DD/MM/YYYY) 取得同意的日期 (日/月/年)

(Please use separate sheets if the space of any box above is insufficient. 如上列任何方格的空間不足，請另頁說明)

☐ has notified ..... "current land owner(s)"#

已通知 ..... 名「現行土地擁有人」#。

Details of the "current land owner(s)"# notified 已獲通知「現行土地擁有人」#的詳細資料		
No. of 'Current Land Owner(s)' 「現行土地擁有人」數目	Lot number/address of premises as shown in the record of the Land Registry where notification(s) has/have been given 根據土地註冊處記錄已發出通知的地段號碼／處所地址	Date of notification given (DD/MM/YYYY) 通知日期(日/月/年)

(Please use separate sheets if the space of any box above is insufficient. 如上列任何方格的空間不足，請另頁說明)

☐ has taken reasonable steps to obtain consent of or give notification to owner(s):
已採取合理步驟以取得土地擁有人的同意或向該人發給通知。詳情如下：

Reasonable Steps to Obtain Consent of Owner(s) 取得土地擁有人的同意所採取的合理步驟

☐ sent request for consent to the "current land owner(s)"#& on _ (DD/MM/YYYY)
於 (日/月/年)向每一名「現行土地擁有人」#郵遞要求同意書&

Reasonable Steps to Give Notification to Owner(s) 向土地擁有人發出通知所採取的合理步驟

☐ published notices in local newspapers& on (DD/MM/YYYY)
於 (日/月/年)在指定報章就申請刊登一次通知&

☐ posted notice in a prominent position on or near application site/premises& on (DD/MM/YYYY)
於 (日/月/年)在申請地點／申請處所或附近的顯明位置貼出關於該申請的通知&

☐ sent notice to relevant owners' corporation(s)/owners' committee(s)/mutual aid committee(s)/management office(s) or rural committee& on _ (DD/MM/YYYY)
於 (日/月/年)把通知寄往相關的業主立案法團/業主委員會/互助委員會或管理處，或有關的鄉事委員會&

Others 其他

☐ others (please specify)
其他（請指明）

.....

Note: May insert more than one「✓」.
Information should be provided on the basis of each and every lot (if applicable) and premises (if any) in respect of the application.
註: 可在多於一個方格內加上「✓」號
申請人須就申請涉及的每一地段（倘適用）及處所（倘有）分別提供資料

6. Type(s) of Application 申請類別

☐	Type (i) 第(i)類	Change of use within existing building or part thereof 更改現有建築物或其部分內的用途
☐	Type (ii) 第(ii)類	Diversion of stream / excavation of land / filling of land / filling of pond as required under Notes of Statutory Plan(s) 根據法定圖則《註釋》內所要求的河道改道／挖土／填土／填塘工程
☑	Type (iii) 第(iii)類	Public utility installation / Utility installation for private project 公用事業設施裝置/私人發展計劃的公用設施裝置
☐	Type (iv) 第(iv)類	Minor relaxation of stated development restriction(s) as provided under Notes of Statutory Plan(s) 略為放寬於法定圖則《註釋》內列明的發展限制
☐	Type (v) 第(v)類	Use / development other than (i) to (iii) above 上述的(i)至(iii)項以外的用途／發展

Note 1: May insert more than one「✓」.
註 1： 可在多於一個方格內加上「✓」號
Note 2: For Development involving columbarium use, please complete the table in the Appendix.
註 2： 如發展涉及靈灰安置所用途，請填妥於附件的表格。

(i) For Type (i) application 供第(i)類申請

(a) Total floor area involved 涉及的總樓面面積	sq.m 平方米
(b) Proposed use(s)/development 擬議用途/發展	(If there are any Government, institution or community facilities, please illustrate on plan and specify the use and gross floor area) (如有任何政府、機構或社區設施，請在圖則上顯示，並註明用途及總樓面面積)
(c) Number of storeys involved 涉及層數	Number of units involved 涉及單位數目
(d) Proposed floor area 擬議樓面面積	Domestic part 住用部分 ..... sq.m 平方米 ☐About 約 Non-domestic part 非住用部分 ..... sq.m 平方米 ☐About 約 Total 總計 ..... sq.m 平方米 ☐About 約

(e) Proposed uses of different floors (if applicable)
不同樓層的擬議用途(如適用)
(Please use separate sheets if the space provided is insufficient)
(如所提供的空間不足，請另頁說明)

Floor(s) 樓層	Current use(s) 現時用途	Proposed use(s) 擬議用途

(f) Additional Information (if applicable)
附加資料（如適用）

(ii) For Type (ii) application 供第(ii)類申請

(a) Operation involved 涉及工程	☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☐ Filling of land 填土 Area of filling 填土面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填土厚度 ..... m 米 ☐About 約 ☐ Excavation of land 挖土 Area of excavation 挖土面積 ..... sq.m 平方米 ☐About 約 Depth of excavation 挖土深度 ..... m 米 ☐About 約 (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用圖則顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍)
(b) Intended use/development 有意進行的用途／發展	

(iii) For Type (iii) application 供第(iii)類申請

(a) Nature and scale
性質及規模

☑ Public utility installation 公用事業設施裝置

☐ Utility installation for private project 私人發展計劃的公用設施裝置

Please specify the type and number of utility to be provided as well as the dimensions of each building/structure, where appropriate
請註明有關裝置的性質及數量，包括每座建築物/構築物(倘有)的長度、高度和闊度

Name/type of installation 裝置名稱／種類	Number of provision 數量	Dimension of each installation /building/structure (m) (LxWxH) 每個裝置／建築物／構築物的尺寸 (米) (長 x 闊 x 高)
Solar Panels	74	2,278mm (L) x 1,134mm (W) x 35mm (H)

(Please illustrate on plan the layout of the installation 請用圖則顯示裝置的布局)

(iv) For Type (iv) application 供第(iv)類申請

(a) Please specify the proposed minor relaxation of stated development restriction(s) and **also fill in the proposed use/development and development particulars in part (v) below** –
請列明擬議略為放寬的發展限制並填妥於第(v)部分的擬議用途/發展及發展細節 –

☐ Plot ratio restriction
地積比率限制
From 由 ..... to 至 .....

☐ Gross floor area restriction
總樓面面積限制
From 由 ..... sq. m 平方米 to 至 ..... sq. m 平方米

☐ Site coverage restriction
上蓋面積限制
From 由 ..... % to 至 ..... %

☐ Building height restriction
建築物高度限制
From 由 ..... m 米 to 至 ..... m 米

From 由 ..... mPD 米 (主水平基準上) to 至 ..... mPD 米 (主水平基準上)

From 由 ..... storeys 層 to 至 ..... storeys 層

☐ Non-building area restriction
非建築用地限制
From 由 ..... m to 至 ..... m

☐ Others (please specify)
其他（請註明）
.....

(b) Additional Information (if applicable)
附加資料（如適用）

(v) For Type (v) application 供第(v)類申請

(a) Proposed use(s)/development 擬議用途/發展	(Please illustrate the details of the proposal on a layout plan 請用平面圖說明建議詳情)

(b) Development Schedule 發展細節表

Proposed gross floor area (GFA) 擬議總樓面面積	..... sq.m 平方米	☐About 約
Proposed plot ratio 擬議地積比率	.....	☐About 約
Proposed site coverage 擬議上蓋面積	..... %	☐About 約
Proposed no. of blocks 擬議座數	.....	
Proposed no. of storeys of each block 每座建築物的擬議層數	..... storeys 層	
	☐ include 包括 ..... storeys of basements 層地庫	
	☐ exclude 不包括 ..... storeys of basements 層地庫	
Proposed building height of each block 每座建築物的擬議高度	..... mPD 米(主水平基準上)	☐About 約
	..... m 米	☐About 約

☐ Domestic part 住用部分

GFA 總樓面面積	..... sq. m 平方米	☐About 約
number of Units 單位數目	.....	
average unit size 單位平均面積	..... sq. m 平方米	☐About 約
estimated number of residents 估計住客數目	.....	

☐ Non-domestic part 非住用部分	GFA 總樓面面積
☐ eating place 食肆	..... sq. m 平方米 ☐About 約
☐ hotel 酒店	..... sq. m 平方米 ☐About 約 (please specify the number of rooms 請註明房間數目) .....
☐ office 辦公室	..... sq. m 平方米 ☐About 約
☐ shop and services 商店及服務行業	..... sq. m 平方米 ☐About 約
☐ Government, institution or community facilities 政府、機構或社區設施	(please specify the use(s) and concerned land area(s)/GFA(s) 請註明用途及有關的地面面積／總樓面面積) .....
☐ other(s) 其他	(please specify the use(s) and concerned land area(s)/GFA(s) 請註明用途及有關的地面面積／總樓面面積) .....

☐ Open space 休憩用地	(please specify land area(s) 請註明地面面積)	
☐ private open space 私人休憩用地	..... sq. m 平方米	☐ Not less than 不少於
☐ public open space 公眾休憩用地	..... sq. m 平方米	☐ Not less than 不少於

(c) Use(s) of different floors (if applicable) 各樓層的用途 (如適用)

[Block number] [座數]	[Floor(s)] [層數]	[Proposed use(s)] [擬議用途]
.....	.....	.....

(d) Proposed use(s) of uncovered area (if any) 露天地方（倘有）的擬議用途	
(e) Additional Information (if applicable) 附加資料（如適用）	

7. Anticipated Completion Time of the Development Proposal
擬議發展計劃的預計完成時間

Anticipated completion time (in month and year) of the development proposal (by phase (if any)) (e.g. June 2023)
擬議發展計劃預期完成的年份及月份（分期（倘有））(例：2023 年 6 月)
(Separate anticipated completion times (in month and year) should be provided for the proposed public open space and Government, institution or community facilities (if any))
(申請人須就擬議的公眾休憩用地及政府、機構或社區設施（倘有）提供個別擬議完成的年份及月份)

June 2024

8. Vehicular Access Arrangement of the Development Proposal
擬議發展計劃的行車通道安排

Any vehicular access to the site/subject building? 是否有車路通往地盤／有關建築物？	Yes 是	☐ There is an existing access. (please indicate the street name, where appropriate) 有一條現有車路。(請註明車路名稱(如適用)) ..... ☐ There is a proposed access. (please illustrate on plan and specify the width) 有一條擬議車路。（請在圖則顯示，並註明車路的闊度）
	No 否	☑
Any provision of parking space for the proposed use(s)? 是否有為擬議用途提供停車位？	Yes 是	☐ (Please specify type(s) and number(s) and illustrate on plan) 請註明種類及數目並於圖則上顯示) Private Car Parking Spaces 私家車車位 _____ Motorcycle Parking Spaces 電單車車位 _____ Light Goods Vehicle Parking Spaces 輕型貨車泊車位 _____ Medium Goods Vehicle Parking Spaces 中型貨車泊車位 _____ Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 _____ Others (Please Specify) 其他 (請列明) _____ _____
	No 否	☑
Any provision of loading/unloading space for the proposed use(s)? 是否有為擬議用途提供上落客貨車位？	Yes 是	☐ (Please specify type(s) and number(s) and illustrate on plan) 請註明種類及數目並於圖則上顯示) Taxi Spaces 的士車位 _____ Coach Spaces 旅遊巴車位 _____ Light Goods Vehicle Spaces 輕型貨車車位 _____ Medium Goods Vehicle Spaces 中型貨車車位 _____ Heavy Goods Vehicle Spaces 重型貨車車位 _____ Others (Please Specify) 其他 (請列明) _____ _____
	No 否	☑

Additional Information (if applicable) 附加資料（如適用）	

9. Impacts of Development Proposal 擬議發展計劃的影響

If necessary, please use separate sheets to indicate the proposed measures to minimise possible adverse impacts or give justifications/reasons for not providing such measures.
如需要的話，請另頁註明可盡量減少可能出現不良影響的措施，否則請提供理據/理由。

Does the development proposal involve alteration of existing building? 擬議發展計劃是否包括現有建築物的改動?	Yes 是	☐ Please provide details 請提供詳情 .....
	No 否	☑
Does the development proposal involve the operation on the right? 擬議發展是否涉及右列的工程? (Note: where Type (ii) application is the subject of application, please skip this section. 註: 如申請涉及第(ii)類申請，請跳至下一條問題。)	Yes 是	☐ (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用地盤平面圖顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍) ☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☐ Filling of land 填土 Area of filling 填土面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填土厚度 ..... m 米 ☐About 約 ☐ Excavation of land 挖土 Area of excavation 挖土面積 ..... sq.m 平方米 ☐About 約 Depth of excavation 挖土深度 ..... m 米 ☐About 約
	No 否	☑

Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響？	On environment 對環境	Yes 會 ☐	No 不會 ☑
	On traffic 對交通	Yes 會 ☐	No 不會 ☑
	On water supply 對供水	Yes 會 ☐	No 不會 ☑
	On drainage 對排水	Yes 會 ☐	No 不會 ☑
	On slopes 對斜坡	Yes 會 ☐	No 不會 ☑
	Affected by slopes 受斜坡影響	Yes 會 ☐	No 不會 ☑
	Landscape Impact 構成景觀影響	Yes 會 ☐	No 不會 ☑
	Tree Felling 砍伐樹木	Yes 會 ☐	No 不會 ☑
	Visual Impact 構成視覺影響	Yes 會 ☐	No 不會 ☑
	Others (Please Specify) 其他 (請列明) _____	Yes 會 ☐	No 不會 ☐

Please state measure(s) to minimise the impact(s). For tree felling, please state the number, diameter at breast height and species of the affected trees (if possible)
請註明盡量減少影響的措施。如涉及砍伐樹木，請說明受影響樹木的數目、及胸高度的樹幹直徑及品種(倘可)

N/A

10. Justifications 理由

The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary.
現請申請人提供申請理由及支持其申請的資料。如有需要，請另頁說明。

1. The existing Structures have been used for Agriculture for decades.

2. Solar Photovoltaic systems will be installed on top of existing structures.

3. Solar energy is a green, environmentally beneficial source of energy that helps to achieve the net zero objective.

4. As more solar panel systems are built, more skilled jobs are created, which keeps the economy growing.

5. It will significantly lessen the amount of grid electricity required. A minimal maintenance fee is charged.

6. Reduce/eliminate energy bills.

7. After energy is produced, income can be viewed as a source of taxes for the government.

8. By producing and selling electricity to CLP via FiT Scheme, CLP, the government save money and make profit.

9. This application of Renewable Energy systems development comprises the installation of around 74 solar panels with a capacity of approximately 40 kW to satisfy the annual electricity demand of ~12 households.

11. Declaration 聲明 (Applicant 申請人 #1)

I hereby declare that the particulars given in this application are correct and true to the best of my knowledge and belief.
本人謹此聲明，本人就這宗申請提交的資料，據本人所知及所信，均屬真實無誤。

I hereby grant a permission to the Board to copy all the materials submitted in this application and/or to upload such materials to the Board's website for browsing and downloading by the public free-of-charge at the Board's discretion. 本人現准許委員會酌情將本人就此申請所提交的所有資料複製及/或上載至委員會網站，供公眾免費瀏覽或下載。

Signature 簽署: Signed with recognised e-signature
Signer: Cheung Wai Nang

☑ Applicant 申請人 / ☐ Authorised Agent 獲授權代理人

Name 姓名: .....

Position (if applicable) 職位 (如適用): .....

Professional Qualification(s) 專業資格:
☐ Member 會員 / ☐ Fellow of 資深會員
☐ HKIP 香港規劃師學會 / ☐ HKIA 香港建築師學會 /
☐ HKIS 香港測量師學會 / ☐ HKIE 香港工程師學會 /
☐ HKILA 香港園境師學會 / ☐ HKIUD 香港城市設計學會 /
☐ RPP 註冊專業規劃師
Others 其他: .....

On behalf of 代表: .....

Remark 備註

The materials submitted in this application and the Board's decision on the application would be disclosed to the public. Such materials would also be uploaded to the Board's website for browsing and free downloading by the public where the Board considers appropriate.
委員會會向公眾披露申請人所遞交的申請資料和委員會對申請所作的決定。在委員會認為合適的情況下，有關申請資料亦會上載至委員會網頁供公眾免費瀏覽及下載。

Warning 警告

Any person who knowingly or wilfully makes any statement or furnish any information in connection with this application, which is false in any material particular, shall be liable to an offence under the Crimes Ordinance.
任何人在明知或故意的情況下，就這宗申請提出在任何要項上是虛假的陳述或資料，即屬違反《刑事罪行條例》。

Statement on Personal Data 個人資料的聲明

1. The personal data submitted to the Board in this application will be used by the Secretary of the Board and Government departments for the following purposes:
委員會就這宗申請所收到的個人資料會交給委員會秘書及政府部門，以根據《城市規劃條例》及相關的城市規劃委員會規劃指引的規定作以下用途：
   (a) the processing of this application which includes making available the name of the applicant for public inspection when making available this application for public inspection; and
處理這宗申請，包括公布這宗申請供公眾查閱，同時公布申請人的姓名供公眾查閱；以及
   (b) facilitating communication between the applicant and the Secretary of the Board/Government departments.
方便申請人與委員會秘書及政府部門之間進行聯絡。
2. The personal data provided by the applicant in this application may also be disclosed to other persons for the purposes mentioned in paragraph 1 above.
申請人就這宗申請提供的個人資料，或亦會向其他人士披露，以作上述第 1 段提及的用途。
3. An applicant has a right of access and correction with respect to his/her personal data as provided under the Personal Data (Privacy) Ordinance (Cap. 486). Request for personal data access and correction should be addressed to the Secretary of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong.
根據《個人資料(私隱)條例》(第 486 章)的規定，申請人有權查閱及更正其個人資料。如欲查閱及更正個人資料，應向委員會秘書提出有關要求，其地址為香港北角渣華道 333 號北角政府合署 15 樓。

For Developments involving Columbarium Use, please also complete the following:
如發展涉及靈灰安置所用途，請另外填妥以下資料:

Ash interment capacity 骨灰安放容量@

Maximum number of sets of ashes that may be interred in the niches
在龕位內最多可安放骨灰的數量 _____

Maximum number of sets of ashes that may be interred other than in niches
在非龕位的範圍內最多可安放骨灰的數量 _____

Total number of niches 龕位總數 _____

Total number of single niches
單人龕位總數 _____

Number of single niches (sold and occupied)
單人龕位數目 (已售並佔用) _____

Number of single niches (sold but unoccupied)
單人龕位數目 (已售但未佔用) _____

Number of single niches (residual for sale)
單人龕位數目 (待售) _____

Total number of double niches
雙人龕位總數 _____

Number of double niches (sold and fully occupied)
雙人龕位數目 (已售並全部佔用) _____

Number of double niches (sold and partially occupied)
雙人龕位數目 (已售並部分佔用) _____

Number of double niches (sold but unoccupied)
雙人龕位數目 (已售但未佔用) _____

Number of double niches (residual for sale)
雙人龕位數目 (待售) _____

Total no. of niches other than single or double niches (please specify type)
除單人及雙人龕位外的其他龕位總數 (請列明類別) _____

Number. of niches (sold and fully occupied)
龕位數目 (已售並全部佔用) _____

Number of niches (sold and partially occupied)
龕位數目 (已售並部分佔用) _____

Number of niches (sold but unoccupied)
龕位數目 (已售但未佔用) _____

Number of niches (residual for sale)
龕位數目 (待售) _____

Proposed operating hours 擬議營運時間 _____

@ Ash interment capacity in relation to a columbarium means –
就靈灰安置所而言，骨灰安放容量指：
- the maximum number of containers of ashes that may be interred in each niche in the columbarium;
每個龕位內可安放的骨灰容器的最高數目;
- the maximum number of sets of ashes that may be interred other than in niches in any area in the columbarium; and
在該靈灰安置所並非龕位的範圍內，總共最多可安放多少份骨灰；以及
- the total number of sets of ashes that may be interred in the columbarium.
在該骨灰安置所內，總共最多可安放多少份骨灰。

Gist of Application 申請摘要

(Please provide details in both English and Chinese as far as possible. This part will also be circulated to relevant consultees, uploaded to the Town Planning Board's Website for browsing and free downloading by the public and available at the Planning Enquiry Counters of the Planning Department for general information.)
(請盡量以英文及中文填寫。此部分會發送予相關諮詢人士、上載至城市規劃委員會網頁供公眾免費瀏覽及下載及於規劃署規劃資料查詢處供一般參閱。)

Application No. 申請編號	(For Official Use Only) (請勿填寫此欄)
Location/address 位置／地址	DD7 Lot 1005, Wai Tau Tsuen
Site area 地盤面積	346 sq. m 平方米 ☑ About 約 (includes Government land of 包括政府土地 sq. m 平方米 ☐ About 約)
Plan 圖則	S/NE-KLH/11
Zoning 地帶	V
Applied use/ development 申請用途/發展	Public Utility Installation (Solar Photovoltaic System for the FiT Scheme)

		sq.m 平方米	Plot Ratio 地積比率
(i) Gross floor area and/or plot ratio 總樓面面積及／或地積比率	Domestic 住用	☐About 約 ☐Not more than 不多於	☐About 約 ☐Not more than 不多於
	Non-domestic 非住用	☑About 約 242 ☐Not more than 不多於	0.699 ☑About 約☐Not more than 不多於

(ii) No. of blocks 幢數	Domestic 住用	
	Non-domestic 非住用	
	Composite 綜合用途	

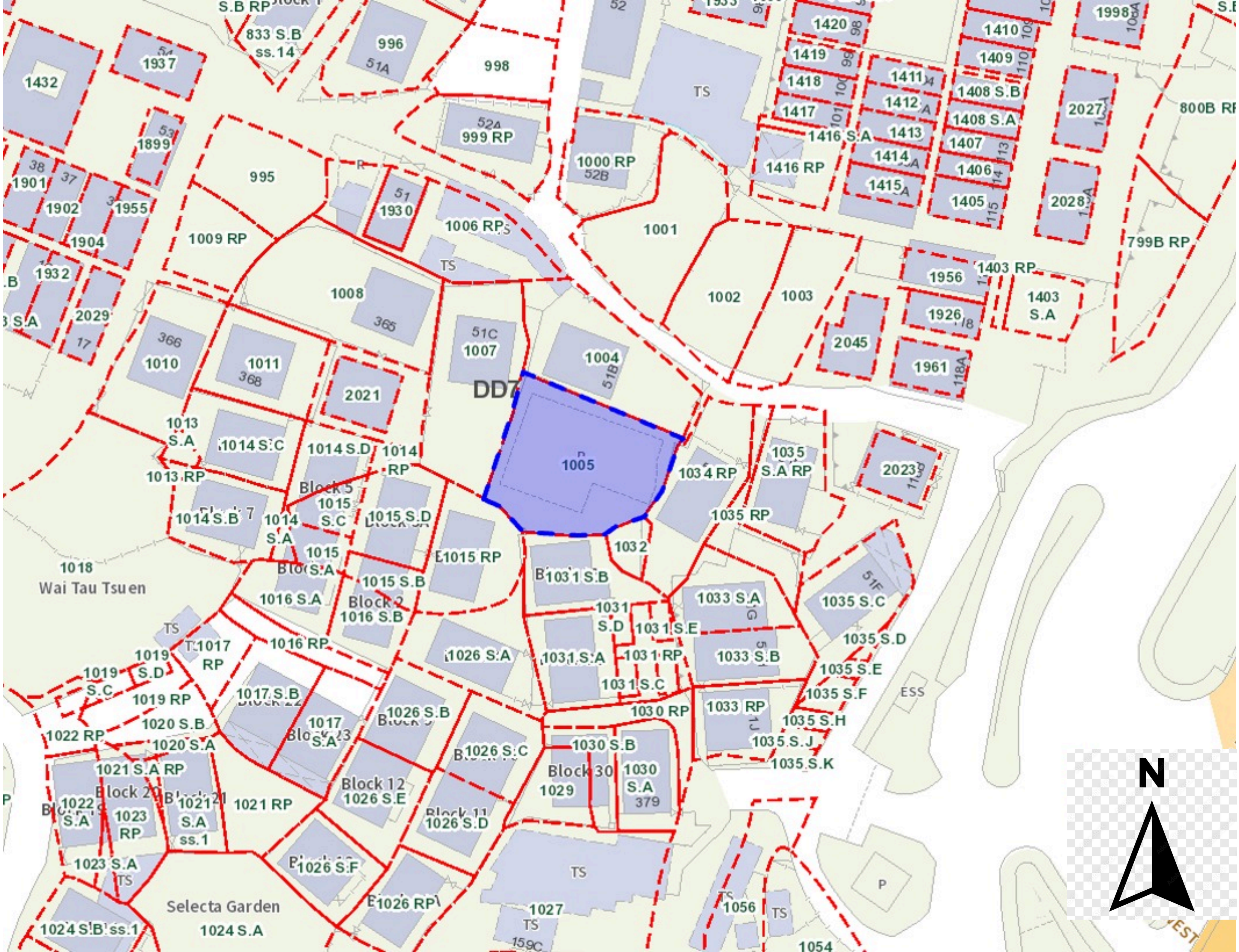
(iii) Building height/No. of storeys 建築物高度／層數	Domestic 住用	m 米 ☐ (Not more than 不多於)
		mPD 米(主水平基準上) ☐ (Not more than 不多於)
		Storeys(s) 層 ☐ (Not more than 不多於) (☐*Include 包括*/☐ *Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台*)
	Non-domestic 非住用	m 米 ☐ (Not more than 不多於)
		mPD 米(主水平基準上) ☐ (Not more than 不多於)

			Storeys(s) 層 ☐ (Not more than 不多於) *(☐Include 包括/☐ Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台)*
		Composite 綜合用途	m 米 ☐ (Not more than 不多於)
			mPD 米(主水平基準上) ☐ (Not more than 不多於)
			Storeys(s) 層 ☐ (Not more than 不多於) *(☐Include 包括/☐ Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台)*
(iv)	Site coverage 上蓋面積		% ☐ About 約
(v)	No. of units 單位數目		
(vi)	Open space 休憩用地	Private 私人	sq.m 平方米 ☐ Not less than 不少於
		Public 公眾	sq.m 平方米 ☐ Not less than 不少於
(vii)	No. of parking spaces and loading / unloading spaces 停車位及上落客貨車位數目	Total no. of vehicle parking spaces 停車位總數 _____ Private Car Parking Spaces 私家車車位 _____ Motorcycle Parking Spaces 電單車車位 _____ Light Goods Vehicle Parking Spaces 輕型貨車泊車位 _____ Medium Goods Vehicle Parking Spaces 中型貨車泊車位 _____ Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 _____ Others (Please Specify) 其他 (請列明) _____ _____	
		Total no. of vehicle loading/unloading bays/lay-bys 上落客貨車位／停車處總數 _____ Taxi Spaces 的士車位 _____ Coach Spaces 旅遊巴車位 _____ Light Goods Vehicle Spaces 輕型貨車車位 _____ Medium Goods Vehicle Spaces 中型貨車位 _____ Heavy Goods Vehicle Spaces 重型貨車車位 _____ Others (Please Specify) 其他 (請列明) _____ _____	

Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件	Chinese 中文	English 英文
Plans and Drawings 圖則及繪圖		
Master layout plan(s)/Layout plan(s) 總綱發展藍圖／布局設計圖	☐	☑
Block plan(s) 樓宇位置圖	☐	☐
Floor plan(s) 樓宇平面圖	☐	☐
Sectional plan(s) 截視圖	☐	☐
Elevation(s) 立視圖	☐	☐
Photomontage(s) showing the proposed development 顯示擬議發展的合成照片	☐	☐
Master landscape plan(s)/Landscape plan(s) 園境設計總圖／園境設計圖	☐	☐
Others (please specify) 其他（請註明） _____	☐	☐
Reports 報告書		
Planning Statement/Justifications 規劃綱領/理據	☐	☐
Environmental assessment (noise, air and/or water pollutions) 環境評估（噪音、空氣及／或水的污染）	☐	☐
Traffic impact assessment (on vehicles) 就車輛的交通影響評估	☐	☐
Traffic impact assessment (on pedestrians) 就行人的交通影響評估	☐	☐
Visual impact assessment 視覺影響評估	☐	☐
Landscape impact assessment 景觀影響評估	☐	☐
Tree Survey 樹木調查	☐	☐
Geotechnical impact assessment 土力影響評估	☐	☐
Drainage impact assessment 排水影響評估	☐	☐
Sewerage impact assessment 排污影響評估	☐	☐
Risk Assessment 風險評估	☐	☐
Air Ventilation Assessment 空氣流通評估	☐	☐
Management Plan 管理計劃	☐	☐
Social Impact Assessment 社會影響評估	☐	☐
Heritage Impact Assessment	☐	☐
Ecological Impact Assessment 生態影響評估	☐	☐
Conservation Management Plan 保育管理計劃	☐	☐
Others (please specify) 其他（請註明） _____	☐	☐

Note: The information in the Gist of Application above is provided by the applicant for easy reference of the general public. Under no circumstances will the Town Planning Board accept any liabilities for the use of the information nor any inaccuracies or discrepancies of the information provided. In case of doubt, reference should always be made to the submission of the applicant.

註： 上述申請摘要的資料是由申請人提供以方便市民大眾參考。對於所載資料在使用上的問題及文義上的歧異，城市規劃委員會概不負責。若有任何疑問，應查閱申請人提交的文件。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CLP 中電

中華電力有限公司
CLP Power Hong Kong Limited

住宅客戶服務部
Residential Customer Experience

香港新界沙田安麗街六號中電沙田中心13樓
13/F Shatin Centre, 6 On Lai Street
Sha Tin, New Territories, Hong Kong

網址 Website www.clp.com.hk

04 December 2023

[redacted]

Attention: Mr. CHEUNG WAI NANG

Our ref.: FiT No.: 20230117001
(Scheme No.: SS-230430)
Please quote our scheme number in response to this letter

Dear Sir/ Madam,

Network Reinforcement Condition Letter
A, DD 7 LOT 1005, WAI TAU TSUEN, TAI PO ("Premises")
CLP Electricity Account Number: 82859022448

We refer to your application to take part in the CLP Renewable Energy Feed-in Tariff (FiT) Scheme. Reference is also made to your application for network reinforcement for the purposes of your participation in the FiT Scheme.

We are pleased to inform you that we will carry out the necessary network reinforcement works ("Reinforcement Works") subject to your acceptance of the following terms and conditions:

1. You are required to make a deposit payment of HK$ 12,000 (HONG KONG DOLLARS Twelve Thousand Dollars) ("Deposit") before we commence the Reinforcement Works.

2. We estimate that the Reinforcement Works will be completed in around 24 months after receipt of your written acceptance of these terms and conditions and the full amount of your Deposit. While we will strive to complete the Reinforcement Works within this estimated timeframe, there may be circumstances which affect the progress or the completion date. We will not be liable for any loss, damage suffered or any cost incurred arising from any delay or incompletion of the Reinforcement Works.

3. If there is a need to revise the estimated timeframe required to complete the Reinforcement Works, we will discuss and agree with you on a new estimated timeframe.

4. The progress and completion of the Reinforcement Works are also subject to your agreement on the terms of the Supply Condition Letter to be issued by us after the design of the Reinforcement Works has been finalised. A sample of a Supply Condition Letter is enclosed for your reference. The final terms of the Supply Condition Letter are subject to the final design of the Reinforcement Works and if you accept the final terms of the Supply Condition Letter, please return to us a signed copy of the letter.

5. You will be entitled to a refund of the Deposit (without interest) if an agreement cannot be reached on the revised estimated timeframe mentioned in point 3 above or where you are not

able to agree to the terms of the Supply Condition Letter. However, we will have no obligation to proceed with the Reinforcement Works.

6. The Deposit will also be refunded (without interest) if the renewable energy system with a total capacity of 10 kW (the capacity of the renewable energy system will be calculated excluding any renewable energy system that will be installed at the Premises prior to the date of your FiT Scheme application) is installed and connected to our network within one years after the actual Reinforcement Works completion date. You will be notified of the actual Reinforcement Works completion date in writing after completion of the Reinforcement Works.

7. Except in circumstances expressly mentioned in this letter, you will not be entitled to a refund of the Deposit even if you withdraw your FiT Scheme application or network reinforcement application before the completion of Reinforcement Works.

8. Further, if there is a change in the registered holder of the CLP electricity account holder of the Premises, you will not be entitled to a refund of the Deposit regardless of the circumstances and we will have no obligation to proceed with the Reinforcement Works.

9. Your provisional FiT rate, following the prevailing rate published on our website on the date we received your FiT Scheme application, is set out below together with the validity period of each FiT rate:

Renewable energy system	**Generation capacity (kW)**	**Provisional FiT rate ($/kWh)**	**Validity period (expiry date)**
New Solar System at [redacted]	10	4	9 ~~12~~ months from actual Reinforcement Works completion date

10. Please be reminded that the design, installation, operation and maintenance of the renewable energy system should comply with all applicable laws, regulations, guidelines, and safety and technical requirements. This includes compliance with the requirements set out under the Technical Guidelines on Grid Connection of Renewable Energy Power Systems and the Guidance Notes for Solar Photovoltaic (PV) System Installation, both issued by the Electrical and Mechanical Services Department.

If you accept the above terms and conditions, please pay the Deposit according to any one of the payment methods stated on the attached bill and return a copy of this letter with the signed reply slip to the following address: -

CLP Power Hong Kong Limited
Attn: Mr. Tommy Lam
Shatin Centre
13/F, 6 On Lai Street
Shek Mun
Shatin, New Territories

If we do not receive both your written acceptance of the above terms and conditions and the full amount of your Deposit payment within three months from the date of this letter, we may not be able to process your FiT Scheme application and your network reinforcement application further.

CLP 中電

Should you have any queries regarding the progress of the construction work, please contact our Accounts Manager Mr. Tommy Lam on telephone number 2678 3406.

Yours sincerely,

Kwan, May
Principal Manager - Customer Services & Support
For and on behalf of
CLP Power Hong Kong Limited

Encl. as stated

Reply Slip

I / We hereby accept the terms and conditions in this letter issued by CLP Power Hong Kong Limited dated 04 December 2023 (FiT Application No.: 20230117001).

Signature/Chop : .....

Name : CHEUNG WAI NANG
(IN BLOCK LETTERS)

Date : 29/12/2023

新世代·新動力
Energy for Brighter Tomorrows

CLP 中電

[redacted]

註冊客戶及供電地址
Registered Customer & Supply Address

702885-3198-1

INVOICE

Bill Type: 03

Bill Issued on :	08-12-23
Document no. :	1800006026
Customer no. :	702885
Contract no. :	
Letter ref. no. :	
Description :	FiT 20230117001 Reinforcement Deposit

Due Date
08-01-24

Total Amount Due
$12,000.00

Total Charges : $12,000.00

Payment Instructions

You can pay your bill in cash or by cheque at any Hong Kong Post Office or you can pay your bill in cash at any 7-Eleven or Circle K Convenience Stores. Payment will **NOT** be accepted at the CLP Customer Service Centres. Please arrange payment at least 2 working days before due date.

Payment can be made by a crossed cheque, payable to 'CLP Power Hong Kong Limited' and mark the account number at the back of your cheque. Please detach and mail the stub with your cheque to Credit & Revenue Collection Section, 7/F., Sham Shui Po Centre, 215 Fuk Wa Street, Sham Shui Po, Kowloon at least 3 working days before the due date. Receipt will **NOT** be issued.

Bill Issued on : 08-12-23   Account Number : 702885-3198-1   Total Amount Due : $12,000.00 **Stub**

70288531981⑆ 0001200000⑈ 03⑇ 5⑆

CLP 中電

中華電力有限公司
CLP Power Hong Kong Limited

住宅客戶服務部
Residential Customer Experience

香港新界沙田安麗街六號中電沙田中心13樓
13/F Shatin Centre, 6 On Lai Street
Sha Tin, New Territories, Hong Kong

網址 Website www.clp.com.hk

04 December 2023

[redacted]

Attention: Mr. CHEUNG WAI NANG

Our ref.: FiT No.: 20230117002
(Scheme No.: SS-230430)
Please quote our scheme number in response to this letter

Dear Sir/ Madam,

Network Reinforcement Condition Letter
[redacted]
CLP Electricity Account Number: 82859022456

We refer to your application to take part in the CLP Renewable Energy Feed-in Tariff (FiT) Scheme. Reference is also made to your application for network reinforcement for the purposes of your participation in the FiT Scheme.

We are pleased to inform you that we will carry out the necessary network reinforcement works ("Reinforcement Works") subject to your acceptance of the following terms and conditions:

1. You are required to make a deposit payment of HK$ 12,000 (HONG KONG DOLLARS Twelve Thousand Dollars) ("Deposit") before we commence the Reinforcement Works.

2. We estimate that the Reinforcement Works will be completed in around 24 months after receipt of your written acceptance of these terms and conditions and the full amount of your Deposit. While we will strive to complete the Reinforcement Works within this estimated timeframe, there may be circumstances which affect the progress or the completion date. We will not be liable for any loss, damage suffered or any cost incurred arising from any delay or incompletion of the Reinforcement Works.

3. If there is a need to revise the estimated timeframe required to complete the Reinforcement Works, we will discuss and agree with you on a new estimated timeframe.

4. The progress and completion of the Reinforcement Works are also subject to your agreement on the terms of the Supply Condition Letter to be issued by us after the design of the Reinforcement Works has been finalised. A sample of a Supply Condition Letter is enclosed for your reference. The final terms of the Supply Condition Letter are subject to the final design of the Reinforcement Works and if you accept the final terms of the Supply Condition Letter, please return to us a signed copy of the letter.

5. You will be entitled to a refund of the Deposit (without interest) if an agreement cannot be reached on the revised estimated timeframe mentioned in point 3 above or where you are not

CLP 中 中電

able to agree to the terms of the Supply Condition Letter. However, we will have no obligation to proceed with the Reinforcement Works.

6. The Deposit will also be refunded (without interest) if the renewable energy system with a total capacity of 10 kW (the capacity of the renewable energy system will be calculated excluding any renewable energy system that will be installed at the Premises prior to the date of your FiT Scheme application) is installed and connected to our network within one years after the actual Reinforcement Works completion date. You will be notified of the actual Reinforcement Works completion date in writing after completion of the Reinforcement Works.

7. Except in circumstances expressly mentioned in this letter, you will not be entitled to a refund of the Deposit even if you withdraw your FiT Scheme application or network reinforcement application before the completion of Reinforcement Works.

8. Further, if there is a change in the registered holder of the CLP electricity account holder of the Premises, you will not be entitled to a refund of the Deposit regardless of the circumstances and we will have no obligation to proceed with the Reinforcement Works.

9. Your provisional FiT rate, following the prevailing rate published on our website on the date we received your FiT Scheme application, is set out below together with the validity period of each FiT rate:

Renewable energy system	**Generation capacity (kW)**	**Provisional FiT rate ($/kWh)**	**Validity period (expiry date)**
New Solar System at [redacted]	10	4	9. 12 months from actual Reinforcement Works completion date

10. Please be reminded that the design, installation, operation and maintenance of the renewable energy system should comply with all applicable laws, regulations, guidelines, and safety and technical requirements. This includes compliance with the requirements set out under the Technical Guidelines on Grid Connection of Renewable Energy Power Systems and the Guidance Notes for Solar Photovoltaic (PV) System Installation, both issued by the Electrical and Mechanical Services Department.

If you accept the above terms and conditions, please pay the Deposit according to any one of the payment methods stated on the attached bill and return a copy of this letter with the signed reply slip to the following address: -

CLP Power Hong Kong Limited
Attn: Mr. Tommy Lam
Shatin Centre
13/F, 6 On Lai Street
Shek Mun
Shatin, New Territories

If we do not receive both your written acceptance of the above terms and conditions and the full amount of your Deposit payment within three months from the date of this letter, we may not be able to process your FiT Scheme application and your network reinforcement application further.

CLP 中電

Should you have any queries regarding the progress of the construction work, please contact our Accounts Manager Mr. Tommy Lam on telephone number 2678 3406.

Yours sincerely,

Kwan, May
Principal Manager - Customer Services & Support
For and on behalf of
CLP Power Hong Kong Limited

Encl. as stated

Reply Slip

I / We hereby accept the terms and conditions in this letter issued by CLP Power Hong Kong Limited dated 04 December 2023 (FiT Application No.: 20230117002).

Signature/Chop : .....

Name : CHEUNG WAI NANG
(IN BLOCK LETTERS)

Date : 29/12/2023

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[redacted]

註冊客戶及供電地址
Registered Customer & Supply Address

702885-3199-0

INVOICE

Bill Type: 03

Bill Issued on :	08-12-23
Document no. :	1800006027
Customer no. :	702885
Contract no. :	
Letter ref. no. :	
Description :	FiT 20230117002 Reinforcement Deposit

Due Date
08-01-24

Total Amount Due
$12,000.00

Total Charges : $12,000.00

Payment Instructions

You can pay your bill in cash or by cheque at any Hong Kong Post Office or you can pay your bill in cash at any 7-Eleven or Circle K Convenience Stores. Payment will **NOT** be accepted at the CLP Customer Service Centres. Please arrange payment at least 2 working days before due date.

Payment can be made by a crossed cheque, payable to 'CLP Power Hong Kong Limited' and mark the account number at the back of your cheque. Please detach and mail the stub with your cheque to Credit & Revenue Collection Section, 7/F., Sham Shui Po Centre, 215 Fuk Wa Street, Sham Shui Po, Kowloon at least 3 working days before the due date. Receipt will **NOT** be issued.

Bill Issued on : 08-12-23 Account Number : 702885-3199-0 Total Amount Due : $12,000.00 **Stub**

CLP Power Hong Kong Limited 中華電力有限公司 Billing Section

70288531990ʃ 0001200000H 03Y 6ʃ

CLP 中電

中華電力有限公司
CLP Power Hong Kong Limited

住宅客戶服務部
Residential Customer Experience

香港新界沙田安麗街六號中電沙田中心13樓
13/F Shatin Centre, 6 On Lai Street
Sha Tin, New Territories, Hong Kong

網址 Website www.clp.com.hk

04 December 2023

[redacted]

Attention: Mr. CHEUNG WAI NANG

Our ref.: FiT No.: 20230117003
(Scheme No.: SS-230430)
Please quote our scheme number in response to this letter

Dear Sir/ Madam,

Network Reinforcement Condition Letter
[redacted]
CLP Electricity Account Number: 82859022464

We refer to your application to take part in the CLP Renewable Energy Feed-in Tariff (FiT) Scheme. Reference is also made to your application for network reinforcement for the purposes of your participation in the FiT Scheme.

We are pleased to inform you that we will carry out the necessary network reinforcement works ("Reinforcement Works") subject to your acceptance of the following terms and conditions:

1. You are required to make a deposit payment of HK$ 12,000 (HONG KONG DOLLARS Twelve Thousand Dollars) ("Deposit") before we commence the Reinforcement Works.

2. We estimate that the Reinforcement Works will be completed in around 24 months after receipt of your written acceptance of these terms and conditions and the full amount of your Deposit. While we will strive to complete the Reinforcement Works within this estimated timeframe, there may be circumstances which affect the progress or the completion date. We will not be liable for any loss, damage suffered or any cost incurred arising from any delay or incompletion of the Reinforcement Works.

3. If there is a need to revise the estimated timeframe required to complete the Reinforcement Works, we will discuss and agree with you on a new estimated timeframe.

4. The progress and completion of the Reinforcement Works are also subject to your agreement on the terms of the Supply Condition Letter to be issued by us after the design of the Reinforcement Works has been finalised. A sample of a Supply Condition Letter is enclosed for your reference. The final terms of the Supply Condition Letter are subject to the final design of the Reinforcement Works and if you accept the final terms of the Supply Condition Letter, please return to us a signed copy of the letter.

5. You will be entitled to a refund of the Deposit (without interest) if an agreement cannot be reached on the revised estimated timeframe mentioned in point 3 above or where you are not

able to agree to the terms of the Supply Condition Letter. However, we will have no obligation to proceed with the Reinforcement Works.

6. The Deposit will also be refunded (without interest) if the renewable energy system with a total capacity of 10 kW (the capacity of the renewable energy system will be calculated excluding any renewable energy system that will be installed at the Premises prior to the date of your FiT Scheme application) is installed and connected to our network within one years after the actual Reinforcement Works completion date. You will be notified of the actual Reinforcement Works completion date in writing after completion of the Reinforcement Works.

7. Except in circumstances expressly mentioned in this letter, you will not be entitled to a refund of the Deposit even if you withdraw your FiT Scheme application or network reinforcement application before the completion of Reinforcement Works.

8. Further, if there is a change in the registered holder of the CLP electricity account holder of the Premises, you will not be entitled to a refund of the Deposit regardless of the circumstances and we will have no obligation to proceed with the Reinforcement Works.

9. Your provisional FiT rate, following the prevailing rate published on our website on the date we received your FiT Scheme application, is set out below together with the validity period of each FiT rate:

Renewable energy system	**Generation capacity (kW)**	**Provisional FiT rate ($/kWh)**	**Validity period (expiry date)**
New Solar System at [redacted]	10	4	9 ~~12~~ months from actual Reinforcement Works completion date

10. Please be reminded that the design, installation, operation and maintenance of the renewable energy system should comply with all applicable laws, regulations, guidelines, and safety and technical requirements. This includes compliance with the requirements set out under the Technical Guidelines on Grid Connection of Renewable Energy Power Systems and the Guidance Notes for Solar Photovoltaic (PV) System Installation, both issued by the Electrical and Mechanical Services Department.

If you accept the above terms and conditions, please pay the Deposit according to any one of the payment methods stated on the attached bill and return a copy of this letter with the signed reply slip to the following address: -

CLP Power Hong Kong Limited
Attn: Mr. Tommy Lam
Shatin Centre
13/F, 6 On Lai Street
Shek Mun
Shatin, New Territories

If we do not receive both your written acceptance of the above terms and conditions and the full amount of your Deposit payment within three months from the date of this letter, we may not be able to process your FiT Scheme application and your network reinforcement application further.

CLP 中電

Should you have any queries regarding the progress of the construction work, please contact our Accounts Manager Mr. Tommy Lam on telephone number 2678 3406.

Yours sincerely,

Kwan, May
Principal Manager - Customer Services & Support
For and on behalf of
CLP Power Hong Kong Limited

Encl. as stated

Reply Slip

I / We hereby accept the terms and conditions in this letter issued by CLP Power Hong Kong Limited dated 04 December 2023 (FiT Application No.: 20230117003).

Signature/Chop : .....

Name : CHEUNG WAI NANG
(IN BLOCK LETTERS)

Date : 29/12/2023

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[redacted]

註冊客戶及供電地址
Registered Customer & Supply Address

702885-3200-3

INVOICE

Bill Type: 03

Bill Issued on :	08-12-23
Document no. :	1800006028
Customer no. :	702885
Contract no. :	
Letter ref. no. :	
Description :	FiT 20230117003 Reinforcement Deposit

Due Date
08-01-24

Total Amount Due
$12,000.00

Total Charges : $12,000.00

Payment Instructions

You can pay your bill in cash or by cheque at any Hong Kong Post Office or you can pay your bill in cash at any 7-Eleven or Circle K Convenience Stores. Payment will **NOT** be accepted at the CLP Customer Service Centres. Please arrange payment at least 2 working days before due date.

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CLP Power Hong Kong Limited Billing Section 中華電力有限公司

Bill Issued on : 08-12-23 Account Number : 702885-3200-3 Total Amount Due : $12,000.00 **Stub**

7028853200037 0001200000H 03Y 7J

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請參閱電費單背頁或中電網站了解更多中電資訊。 For more information, please read overleaf or the last page of your electricity bill or visit our website.

CLP 中電

中華電力有限公司
CLP Power Hong Kong Limited

住宅客戶服務部
Residential Customer Experience

香港新界沙田安麗街六號中電沙田中心13樓
13/F Shatin Centre, 6 On Lai Street
Sha Tin, New Territories, Hong Kong

網址 Website www.clp.com.hk

04 December 2023

NO 106
WAI TAU TSUEN
TAI PO
NEW TERRITORIES

Attention: Mr. CHEUNG WAI NANG

Our ref.: FiT No.: 20230117004
(Scheme No.: SS-230430)
Please quote our scheme number in response to this letter

Dear Sir/ Madam,

Network Reinforcement Condition Letter
[redacted]
CLP Electricity Account Number: 82859022472

We refer to your application to take part in the CLP Renewable Energy Feed-in Tariff (FiT) Scheme. Reference is also made to your application for network reinforcement for the purposes of your participation in the FiT Scheme.

We are pleased to inform you that we will carry out the necessary network reinforcement works ("Reinforcement Works") subject to your acceptance of the following terms and conditions:

1. You are required to make a deposit payment of HK$ 12,000 (HONG KONG DOLLARS Twelve Thousand Dollars) ("Deposit") before we commence the Reinforcement Works.

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4. The progress and completion of the Reinforcement Works are also subject to your agreement on the terms of the Supply Condition Letter to be issued by us after the design of the Reinforcement Works has been finalised. A sample of a Supply Condition Letter is enclosed for your reference. The final terms of the Supply Condition Letter are subject to the final design of the Reinforcement Works and if you accept the final terms of the Supply Condition Letter, please return to us a signed copy of the letter.

5. You will be entitled to a refund of the Deposit (without interest) if an agreement cannot be reached on the revised estimated timeframe mentioned in point 3 above or where you are not

able to agree to the terms of the Supply Condition Letter. However, we will have no obligation to proceed with the Reinforcement Works.

6. The Deposit will also be refunded (without interest) if the renewable energy system with a total capacity of 10 kW (the capacity of the renewable energy system will be calculated excluding any renewable energy system that will be installed at the Premises prior to the date of your FiT Scheme application) is installed and connected to our network within one years after the actual Reinforcement Works completion date. You will be notified of the actual Reinforcement Works completion date in writing after completion of the Reinforcement Works.

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9. Your provisional FiT rate, following the prevailing rate published on our website on the date we received your FiT Scheme application, is set out below together with the validity period of each FiT rate:

Renewable energy system	**Generation capacity (kW)**	**Provisional FiT rate ($/kWh)**	**Validity period (expiry date)**
New Solar System at [redacted]	10	4	~~12~~ months from actual Reinforcement Works completion date

10. Please be reminded that the design, installation, operation and maintenance of the renewable energy system should comply with all applicable laws, regulations, guidelines, and safety and technical requirements. This includes compliance with the requirements set out under the Technical Guidelines on Grid Connection of Renewable Energy Power Systems and the Guidance Notes for Solar Photovoltaic (PV) System Installation, both issued by the Electrical and Mechanical Services Department.

If you accept the above terms and conditions, please pay the Deposit according to any one of the payment methods stated on the attached bill and return a copy of this letter with the signed reply slip to the following address: -

CLP Power Hong Kong Limited
Attn: Mr. Tommy Lam
Shatin Centre
13/F, 6 On Lai Street
Shek Mun
Shatin, New Territories

If we do not receive both your written acceptance of the above terms and conditions and the full amount of your Deposit payment within three months from the date of this letter, we may not be able to process your FiT Scheme application and your network reinforcement application further.

CLP 中電

Should you have any queries regarding the progress of the construction work, please contact our Accounts Manager Mr. Tommy Lam on telephone number 2678 3406.

Yours sincerely,

Kwan, May
Principal Manager - Customer Services & Support
For and on behalf of
CLP Power Hong Kong Limited

Encl. as stated

Reply Slip

I / We hereby accept the terms and conditions in this letter issued by CLP Power Hong Kong Limited dated 04 December 2023 (FiT Application No.: 20230117004).

Signature/Chop : .....

Name : CHEUNG WAI NANG
(IN BLOCK LETTERS)

Date : 29/12/2023

新世代·新動力
Energy for Brighter Tomorrows

CLP 中電

[redacted]

註冊客戶及供電地址
Registered Customer & Supply Address

702885-3201-1

INVOICE

Bill Type: 03

Bill Issued on :	08-12-23
Document no. :	1800006029
Customer no. :	702885
Contract no. :	
Letter ref. no. :	
Description :	FiT 20230117004 Reinforcement Deposit

Due Date
08-01-24

Total Amount Due
$12,000.00

Total Charges : $12,000.00

Payment Instructions

You can pay your bill in cash or by cheque at any Hong Kong Post Office or you can pay your bill in cash at any 7-Eleven or Circle K Convenience Stores. Payment will **NOT** be accepted at the CLP Customer Service Centres. Please arrange payment at least 2 working days before due date.

Payment can be made by a crossed cheque, payable to 'CLP Power Hong Kong Limited' and mark the account number at the back of your cheque. Please detach and mail the stub with your cheque to Credit & Revenue Collection Section, 7/F., Sham Shui Po Centre, 215 Fuk Wa Street, Sham Shui Po, Kowloon at least 3 working days before the due date. Receipt will **NOT** be issued.

Bill Issued on : 08-12-23 Account Number : 702885-3201-1 Total Amount Due : $12,000.00 **Stub**

CLP Power Hong Kong Limited Billing Section

70288532011⑆ 0001200000⑈ 03⑇ 0⑆

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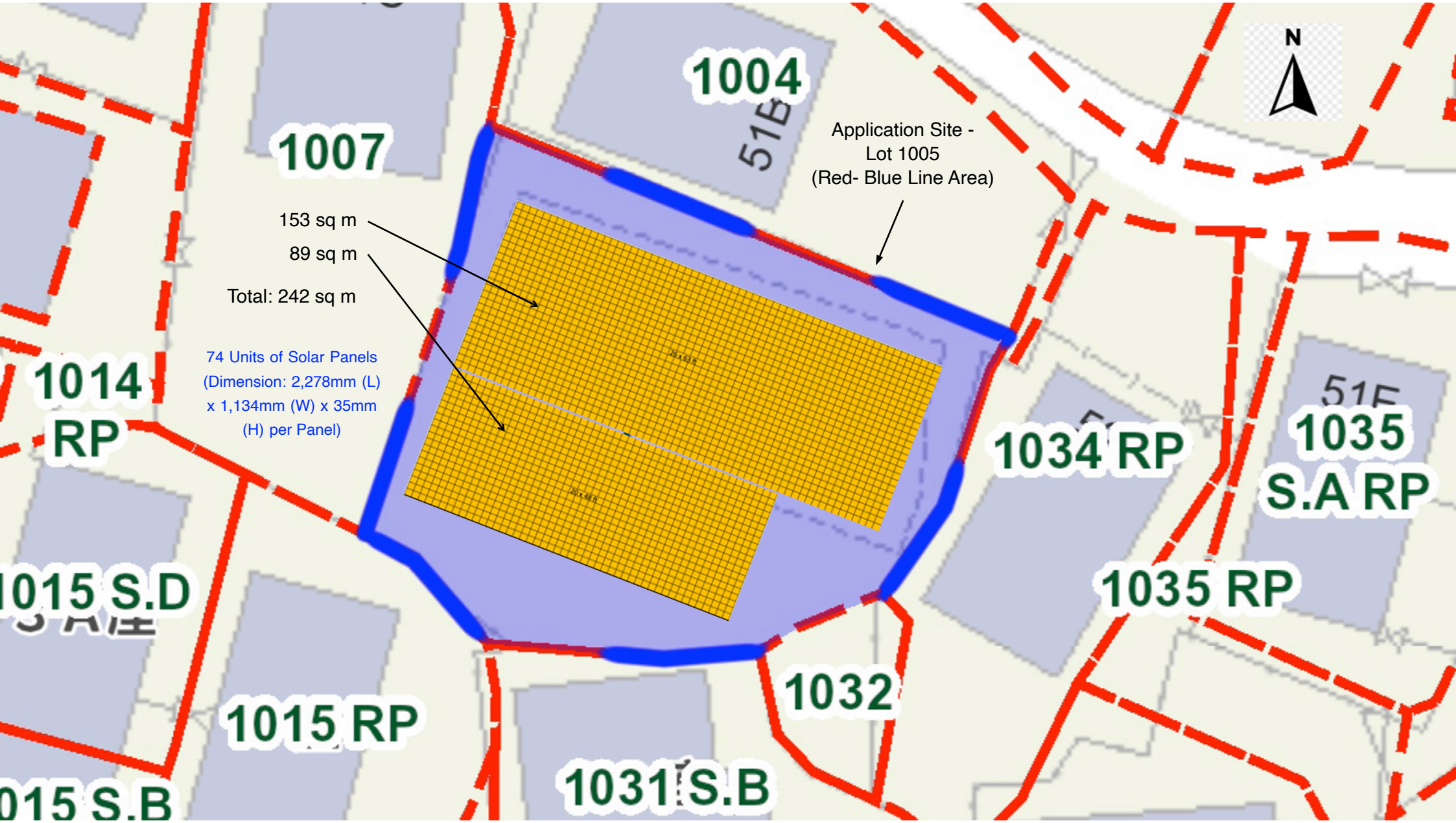
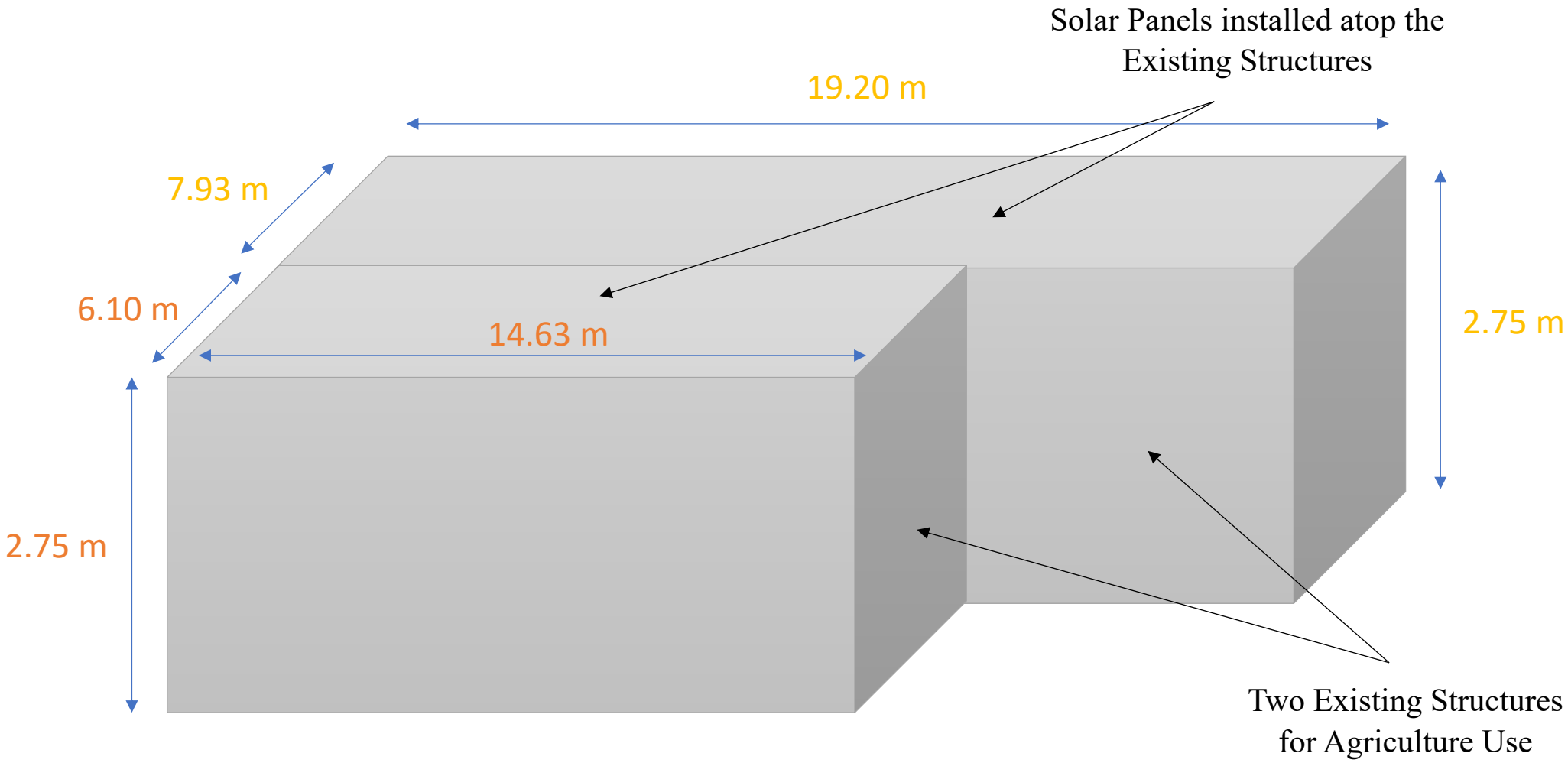

1004
1007
51B
Application Site -
Lot 1005
(Red- Blue Line Area)
153 sq m
89 sq m
Total: 242 sq m
74 Units of Solar Panels
(Dimension: 2,278mm (L)
x 1,134mm (W) x 35mm
(H) per Panel)
1014
RP
1034 RP
51E
1035
S.A RP
1035 RP
1015 S.D
1015 RP
1032
1031 S.B
015 S.B
N

Lot 1005 Structure Dimension Diagram



☐Urgent ☐Return receipt ☐Expand Group ☐Restricted ☐Prevent Copy

John Michael AUSTIN/PLAND

寄件者: Wayne Cheung [redacted]
寄件日期: 2024年02月19日星期一 13:51
收件者: John Michael AUSTIN/PLAND
副本: Jenny So Man CHAN/PLAND; Shing Fung CHAIR/PLAND
主旨: Re: [A/NE-KLH/639] : Request for clarification on the existing structure on site

類別: Internet Email

Dear John,

1. Yes. That is correct. The old structures have been up for decades. Unfortunately, the ceilings had collapsed some time ago. We restored the structures a few months ago using new material required by the Lands Department, which also has already inspected and approved the new construction.

2. That is also correct; the Site has not been utilised in quite some time. As stated in the application, having the land unused is an enormous waste of resources. Here is a great opportunity from the sustainability perspective. We intend to utilize the land for indoor farming, employing advanced techniques to cultivate crops in a controlled environment, leveraging technologies such as hydroponics or vertical farming. We aim to create a sustainable and economically viable indoor farming operation on the land.

Should you have further questions, please do not hesitate to contact me. Thank you very much.

Regards,

Wayne Cheung
LinkedIn: [redacted]
Email: [redacted]

On Fri, 16 Feb 2024 at 14:29, John Michael AUSTIN/PLAND <jmaustin@pland.gov.hk> wrote:

> Dear Mr.CHEUNG,

☐Urgent ☐Return receipt ☐Expand Group ☐Restricted ☐Prevent Copy

As per our phone conversation earlier yesterday, please clarify the following points regarding to the application (No. A/NE-KLH/639):

1. We have conducted site visit regard the captioned application. It is noted that there are structures at the application site (the Site) and it is claimed in the application form submitted that the structures are existing for agricultural use for decades. However, according to the aerial photo in late 2022, it appears that one of the two structures has not been erected or added to in any way. Besides, the U-shape alike structure seems to be newly renovated/rebuilt as the materials are relatively new. Could you please clarify the situation in details; and

2. According to our recent site photos, the Site is currently not performing agricultural use, could you please clarify if there are any planned agricultural activities intended to take place under the structure? If so, kindly provide details on the specific types of agricultural activities that will be conducted.

If you have any further question, please contact the undersigned or Jenny CHAN (2158 6235).

Thanks and regards,

John AUSTIN

Sha Tin, Tai Po & North District Planning Office

Planning Department

TPG/TP2

2158 6037

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John Michael AUSTIN/PLAND

寄件者: Wayne Cheung [redacted]
寄件日期: 2024年02月28日星期三 15:09
收件者: Jenny So Man CHAN/PLAND
副本: John Michael AUSTIN/PLAND
主旨: Re: A/NE-KLH/639 - Comments from Water Supplies Department
附件: WSD Assessment Reponses - 2024.02.28.pdf

類別: Internet Email

Dear Ms Chan and Mr Austin,

Per request today for responses to WSD, please find an assessment attached. Let me know if you have further questions, please.

Again, thank you for the assistance and guidance.

Regards,

Wayne Cheung
LinkedIn: [redacted]
Email: [redacted]

On Wed, 28 Feb 2024 at 11:23, Jenny So Man CHAN/PLAND <jsmchan@pland.gov.hk> wrote:

> Dear Mr. Cheung,
>
> As requested, comments from WSD in word format for information.
>
> WSD's comments:
>
> Major Comments on the Application/Main Reasons of Objection:
>
> The application site is located within upper indirect water gathering grounds (WGG).

Based on the provided information, there are risks of contamination to the WGG due to installation works, operation and maintenance of the solar photovoltaic system. In order to safeguard the raw water quality in WGG, the applicant shall provide a risk assessment report to prove and demonstrate to the satisfaction of WSD that there is no material increase in pollution effect resulting from the proposed development. In particular, the applicant shall provide evidences and/or control measures to ensure that the following conditions are met:

(a) No discharge of effluent or foul water into adjoining land, storm water drain, channel, stream or river course is allowed. Such foul water or effluent shall be collected and disposed of outside WGG.

(b) All solid waste and sludge arising from the development shall be properly disposed of outside WGG.

(c) The use and storage of pesticides, herbicides, toxicants, flammable solvents, larvicidal oil, rodenticides, tar and petroleum oil are strictly prohibited in WGG.

(d) No chemicals including fertilizers and detergents shall be used/stored without the prior approval from the Water Authority.

(e) Oil leakage and spillage are not allowed within WGG at all time.

(f) The structures and uses under the development shall be located away from any water courses as far as possible. Signage for alerting not to pollute WGG should be displayed.

(g) Operation and maintenance of the solar photovoltaic system shall not cause any leaching of contaminants to WGG. Materials making up the solar photovoltaic system shall be certified/proven to be waterproof as far as possible such that no toxic or harmful substances are leached out during prolonged exposure to weather and environmental conditions during their life cycles.

(h) During installation of the solar photovoltaic system, no earth and other construction materials which may cause contamination to WGG are allowed to be stockpiled or stored on site. Furthermore, all excavated or filled surfaces shall be protected from erosion and siltation to any water courses shall be prevented within WGG. All construction spoils shall be contained and protected; and effluent containing spoils shall be disposed of after desiltation.

(i) The “Conditions of Working within Gathering Grounds” shall be complied.

☐Urgent ☐Return receipt ☐Expand Group ☐Restricted ☐Prevent Copy

Best regards,

Jenny CHAN

TP/TP6

Sha Tin, Tai Po and North District Planning Office

Planning Department

Tel: 2158 6235

From: Wayne Cheung [redacted]
Sent: Tuesday, February 27, 2024 7:59 PM
To: Jenny So Man CHAN/PLAND <jsmchan@pland.gov.hk>
Cc: John Michael AUSTIN/PLAND <jmaustin@pland.gov.hk>
Subject: Re: A/NE-KLH/639 - Comments from Water Supplies Department

Dear Ms Chan & Mr Austin,

Thank you for the email regarding the comment from WSD. We have prepared an assessment report together with Solar Panel Specification and Certificates. Please find them attached.

Should you have any queries, please do not hesitate to contact me. Thank you very much.

Regards,

Wayne Cheung

LinkedIn: [redacted]

[redacted]

Before we forget and missed what we expressed sincerely previously in the application form, let's recap what we see the benefits for all of us and what purpose to achieve together.

Benefits of Solar Photovoltaic System Installation

1. The use of the Land - The Land has been unused and unproductive for more than 30 years. Such a waste, this. Hong Kong's land is so scarce that it needs to be used to its fullest potential.
2. Solar energy is a green, environmentally beneficial source of energy that helps to achieve the zero-emission objective.
3. Sustainability - Solar power initiatives are a source of renewable energy. One of the best methods to achieve sustainability goals is to generate electricity.
4. Start saving right away; it's a very affordable way to save energy.
5. Solar Power Promotes Economic Growth and Job Creation - As more solar panel projects are built, more skilled jobs are created, which keeps the economy expanding.
6. Economical - We will significantly lessen the amount of grid electricity we require. A minimal maintenance fee is also charged.
7. Reduce or eliminate energy bills.
8. The sun gives us more energy. A free source of energy is the sun.
9. Taxes collected by the government - After energy is produced, income can be viewed as a source of taxes for the government.
10. By producing electricity, CLP, the government, and we may all save money or even make profit.
11. The application of this Renewable Energy (RE) systems development comprises the installation of around 68 solar panels with a capacity of approximately 35 kW to satisfy the annual electricity demand of approximately 10 households.

Below are our response to the questions raised. They are just the answers and replies and may seem a little simple and short. You may see the other assessment report for more details.

There are risks of contamination to the WGG due to erection, operation and management of the solar photovoltaic system. In order to safeguard the raw water quality in WGG, the applicant shall provide a risk assessment report to prove and demonstrate to the satisfaction of the WSD that there is no material increase in pollution effect resulting from the proposed development, in particular the applicant shall provide evidences and/or control measures to ensure that the following conditions are met:

Issues/Questions	**Answers/Reasons**
a) No discharge of effluent or foul water into adjoining land, storm water drain channel, stream or river course is allowed. Such foul water or effluent shall be collected and disposed of outside WGG;	The land will be used to build solar panels that will generate only electricity for CLP. No effluent or foul water will be discharged into adjoining land, storm water drain channels, streams, or river courses.
b) All solid waste and sludge arising from the development shall be properly disposed of outside WGG;	If any solid waste or sludge is generated as a result of the development, we will arrange for proper and legal disposal outside WGG.
c) The use and storage of pesticides, herbicides, toxicants, flammable solvents, larvicidal oil, rodenticides, tar and petroleum oil are strictly prohibited in WGG;	There is no plan to use and it's clear that we will not use and store pesticides, herbicides, toxicants, flammable solvents, larvicidal oil, rodenticides, tar and petroleum oil are strictly prohibited on the land.
d) No chemical including fertilizers and detergents shall be	This is a project for solar panels. The land is only used for this system and for

used/stored without the prior approval from the Water Authority;	generating electricity. Chemicals such as fertilizers and detergents shall not be used or stored.
e) Oil leakage and spillage are not allowed within WGG at all time;	We cannot see how oil will be used for this project on this land, even during the system installation. It's noted that oil leakage and spillage are not allowed within WGG at all time.
f) The structures and uses under the development shall be located away from any watercourses as far as possible. Signage for alerting not to pollute WGG should be displayed;	The structures and uses under the development are located away from any watercourses. We will also place signage both inside and outside the land to alert people in the area that this land is located in WGG and no pollution is permitted, for education purpose.
g) Operation and maintenance of the solar photovoltaic system shall not cause any leaching of contaminants to WGG. Materials making up the solar photovoltaic system shall be certified/proven to be waterproof as far as possible such that no toxic or harmful substances are leached out during prolonged exposure to weather and environmental conditions during their life cycles;	All solar photovoltaic materials are certified to prevent contaminants from leaching into WGG during operation and maintenance. The mechanical stability, durability and isolation features of the Solar Photovoltaic System in open-air climates are certified to international standard(s), to ensure no leaching of toxic nor harmful substances within WGG. Please see the attached document for more information and explanations. Please find a copy of the solar panel specification attached for details and your reference.

h) During installation of the solar photovoltaic system, no earth and other construction materials which may cause contamination to WGG are allowed to be stockpiled or stored on Site. Furthermore, all excavated or filled surfaces shall be protected from erosion and siltation to any watercourses shall be prevented within WGG. All construction spoils shall be contained and protected; and effluent containing spoils shall be disposed of after desiltation;	We are committed to following WSD's instructions to protect the WGG from contamination even during the installation phase. Erosion protection will be provided for all excavated or filled surfaces. Construction waste will be disposed of immediately. Please see the attached document for more information.
i) The "Conditions of Working within Gathering Grounds" shall be complied.	We are fully committed to complying with the conditions of working within gathering grounds as set forth by the Water Supplies Department. We understand the importance of adhering to these conditions to ensure the safety, sustainability, and proper utilization of the gathering grounds.

Table of contents

太陽能系統對水體的變化

The impact to WGG of the solar system

就一個太陽能系統對水體的變化，將就兩方面論述：

A) 該系統的長期存在對 WGG 的影響

B) 在短期而言,即為施工期間對 WGG 的影響

Regarding the impacts of a new solar system to the WGG, two aspects will be discussed.

A) In Long Term: Weather and environmental conditions during their life cycles

B) In Short Term: During Construction

A：長期性分析

該系統的對 WGG 的影響關乎其結構，及其部件所構成的物料。

Section A: In Long Term

The impact of a system on the environment is related to its structure, materials.

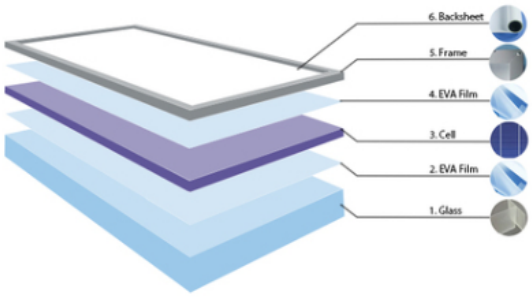
A1) 太陽能板的結構：

表面為鋼化玻璃作保護，覆蓋單晶硅，邊框為鋁合金以作保護。鋼化玻璃和鋁合金皆為對氣候穩定的物質。所以相關的太陽能板廣泛應用於高緯度，例如會下雪或溶雪的地方，或極端炎熱的地方。而不會釋出污染物，對環境造成影響，被視為環保的可再生能源設備。

A1) Structure of Solar Panels

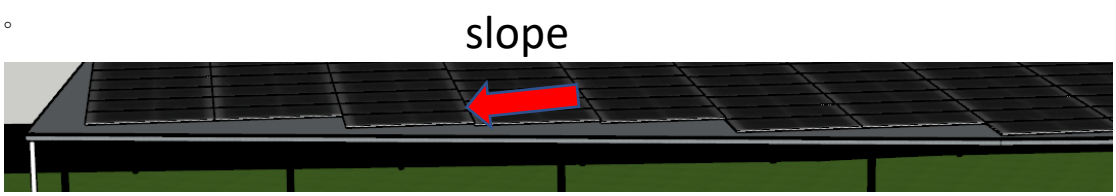
The Solar Panel surface is protected by tempered glass, covered with monocrystalline silicon, and the frame is made of aluminum alloy. Tempered glass and aluminum alloys are both UV and precipitation resistant materials.

Solar panels are widely used in different latitudes, such as places where it snows, with snowmelts, or desert area, without leaching of contaminants that may affect the environment. They are regarded as environmentally friendly renewable energy equipment.



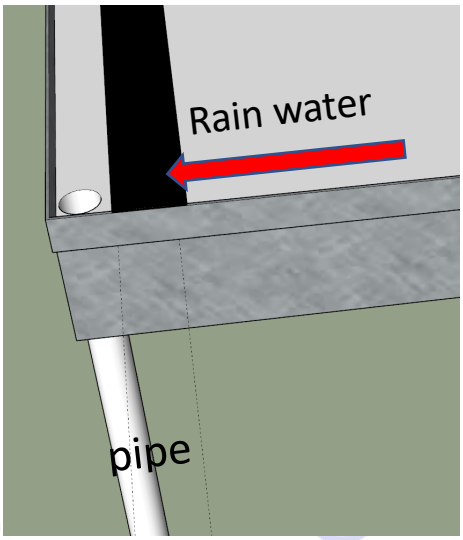
A2) 太陽能上蓋結構

該構建物和水體的主要作用為降水。首先太陽能板為穩定物料（鋁和鋼化玻璃），而板群又有斜度用於排水，故太陽能板不會被浸泡，故無足夠時間產生化學反應。雨水在經過鋼化玻璃表層，便會以極快的速度流至構建物的集水槽，故經過太陽能板表面而疏導而來的降水，可跟河流的水質接近。



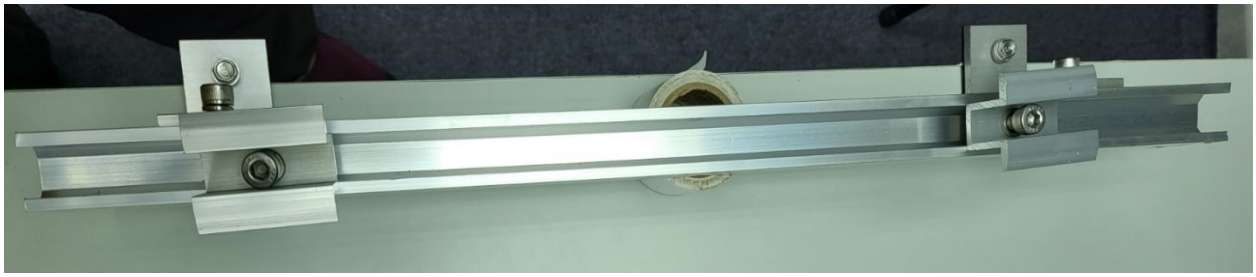
A2) Design of the Solar System Cover

Precipitation is the main concern and it will damage the structures and WGG. An array of Solar Panels is designed and built on a slope for drainage so that the Solar Panels are will not be immersed in rain and have no time to react chemically with the rain. After passing through the tempered glass surface, the precipitation will quickly flow to a water Collecting Trough. Rain will only fall on the Solar Panels and drains quickly, leaving WGG with high-quality water.



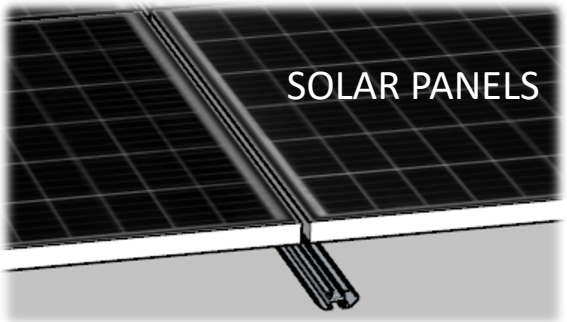
A3) 組裝太陽能板的結構：導軌

太陽能板以預製的導軌安裝，其金屬成份為 6005-T5 的鋁合金，是性質極其穩定的金屬。這種預製導軌，在安裝上只需組裝，在整個太陽能系統的生命週期中，即使面對維修，可簡單將舊太陽能板卸載，而不會因鑽孔或切割產生廢料。



A3) Solar Panel Assemble on the Cover: Panels Guides

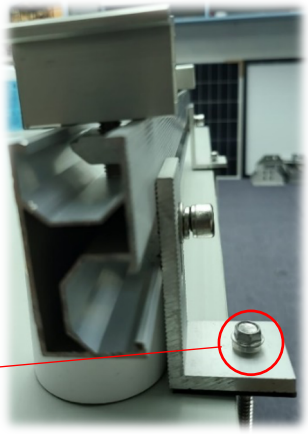
The solar panels will be mounted on Modular Panel Guides. Those Guides are made from the chemical-resistant metal 6005-T5 aluminum alloy. During installation, this modular component is easily assembled, thanks to the Plug & Play feature. Throughout the entire life cycle of the Solar Energy System, even during maintenance, Solar Panels can be



Panels Guides

easily unloaded at any time without generating waste from the traditional drilling and cutting work.

A4) 太陽能板組裝於上蓋結構的元件



太陽能板的組裝導軌，採用 304 不鏽鋼的螺絲，鎖定於上蓋，而這類小五金，也有太陽能板的遮蓋。304 系列的不鏽鋼，特性為耐侵蝕，即使面對日照和水份的作用，不會產生鏽蝕而產生的物質。

A4) The Assemblies of Solar Panels

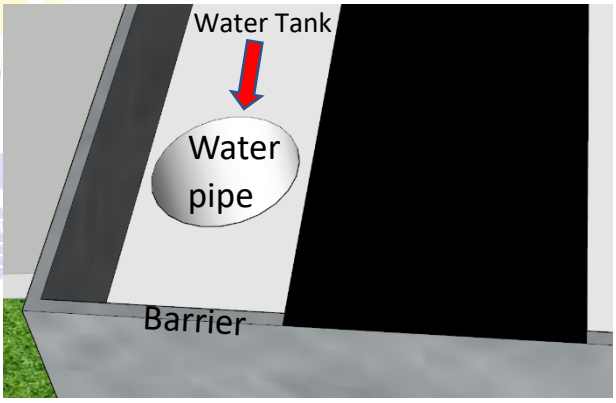
Solar Panel Guides will be attached to the upper cover with 304 stainless-steel corrosion-resistant screws. They will not get rusted even when exposed to sunlight and moisture. After installation, all stainless-steel screws will be covered by Solar Panels, reducing the possibility of contact with sunlight and rain, therefore no rust will be produced.

A5) 集水和排水：

太陽能板的上蓋組構，有相應斜度，令降水就高至低自然疏導，結構低位有鋁質集水槽，邊界也有擋水系統，避免雨水在集合後直接擊落地表造成土壤侵蝕。該特別設計的集水系統，做到的是落在上蓋上的雨水，集中後以管道導引至河道位置，為優質水資源。

A5) Water Collection and Drainage:

The structure of the upper cover is built on a slope, letting precipitation flow naturally from higher levels to low levels of the structure. The aluminum Water Collecting Trough at a low level of the structure will have a Barrier, like a Shield, at the boundary to prevent the rainwater from landing on the ground directly, therefore avoiding erosion. Pipes will transport high-quality rainwater to appropriate locations or rivers.

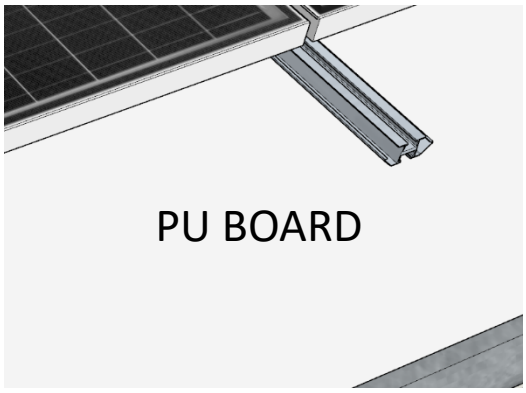


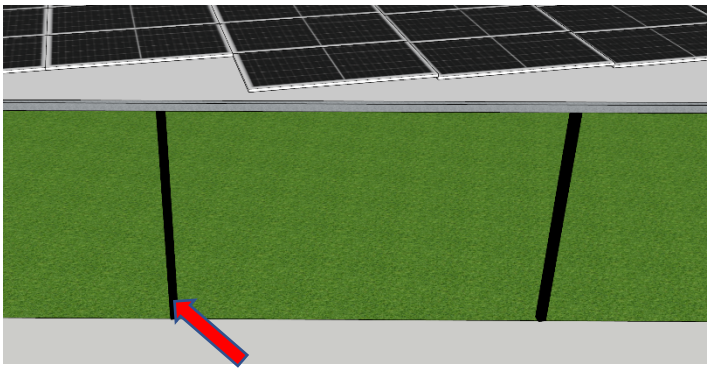
A6) 太陽能上蓋的建設：

上蓋為 PU 材料，該物質對氣候反應極慢，支柱為鋁合金。不採用鏽蝕反應大的金屬。

A6) Construction of Solar System Roof:

The upper cover is made of PU material which reacts slowly to humidity and temperature, while the pillars are made of aluminum alloy, preventing water contamination.





Alluminum alloy
Pillar

B：太陽能上蓋建設過程

Section B: Short Term Effect, during Construction

B1) 豎立支架：

盡量減少改變植被表層：只在必要的支架基點，淺層挖土 1000mm*1000mm，深 1000mm。作混凝土灌漿。在施工過程中，挖出的土壤將移走，避免雨水沖刷疏鬆土壤污染河道。混凝土的乾固迅速，選擇天氣良好的施工日，一天內已完成乾固，乾固後便不會釋出有害物質。少量挖土澆築混凝土基底的地方，表面將回泥，植被將於短期內重長，用以保護土壤免被侵蝕。使挖掘處能迅速回復至挖掘前的狀態。

B1) Pillars Set Up:

We can reduce the impact on the vegetation surface by excavating shallowly 1000mm (W) * 1000mm (L) * 1000mm (D) for concrete grouting only at the necessary base points.

The excavated soil will be moved away during the construction process to prevent rainwater from eroding the loose soil and contaminating the river. Ensure that the grouting takes place on a sunny day and that the concrete solidifies quickly. Make sure that concrete solidification can be completed in one day so that no hazardous substances are released after solidification.

After concrete grouting, the surface in the excavated areas will be covered with natural soil, and the plant will grow back in a short period of time to prevent soil erosion. The excavated areas can be quickly restored to the original condition.

B2) 太陽能支架的組裝：

只有鋁質支架豎柱的裝配，會因切割或鑽孔產生少量鋁碎，在施工場地，將舖設堅韌的防水布，鋁碎會適時清走，避免沖往河道或污染土壤。

太陽能上蓋為預製件，簡單裝配，無廢料產生。

B2) Construction of the Solar Structure:

A small amount of aluminum fragments will be produced during the assembly of aluminum supports (pillar and beam). On the construction site, a tough waterproof tarpaulin will be laid down, and the aluminum fragments will be collected and removed at once to prevent them from entering the WGG or polluting the soil.

Panels Guides and Solar Panels of the System are top-level modular components that require only

simple assembly. They will not produce any waste both to WGG and soil.

綜合所述：

該太陽能上蓋所使用的各項元件，其物理性質極其穩定，不會釋出化合物或有毒物質，其設計在集水和排水有完善考慮，排出的為潔淨的雨水。

而在施工上採取充份的保護，減少對表土的影響，挖掘的地方作植被還原，維持原本的狀態。

故整體而言該系統的建設，既能擁有產生清潔能源的好處，而在建設的過程中，有可調控的措施將影響控制。而該系統存在的整個生命週期，其物料，其結構，其設計只會產生潔淨的水，而不會產生污染物，更甚是涉及保養，也是考慮周詳。故該項目對社會實有正面影響，可作為施工的例子令可再生能源在香港普及，追上世界的環保潮流。

Conclusion:

The Solar Structure's components and design are extremely chemically resistant and will not emit pollutant or toxic substances. Full consideration is given to drainage and water collection to continuously discharge clean rainwater to WGG.

During construction, sufficient protection will be taken to reduce the impact on WGG and the soil. The excavated areas will be maintained to the original state.

As a result, the system will only benefit from the generation of clean energy as well as having no negative impact on the environment during the process and throughout the system's life cycle.

To be concluded, this project is a fantastic ESG project with a high positive impact on society, achieving Sustainability Goals, resulting in an All-Win situation for various stakeholders, and can be used as an example to promote Green Energy Development, leading the trend of Environmental Protection in Hong Kong.

C：有關突發危機的發現和應對措施 及防止出現危機

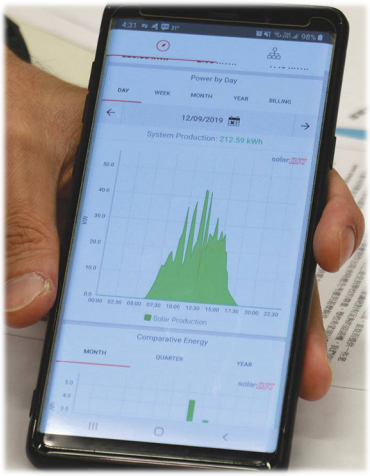
就戶外太陽能系統,一般的天氣狀況,例如溫度高低,濕度變化,日照幅射等等,皆為太陽能板系統設計時已考慮在內的已知因素,在 A 部(長期性分析)已有詳細分析。而突於其來的極端天氣情況,例如颱風,或雷暴等等,系統也有完善監察機制。

Section C: Identifying and responding to Crisis and Preventing Crises

Weather conditions such as temperature, humidity changes, solar radiation, and so on are considered in the design and installation of a Solar Energy System, as previously discussed. We do have a Monitoring Mechanism for the system for other sudden weather changes and conditions such as typhoons, thunderstorms, and so on.

C1) 被動式監察系統:

CLP 現有已有一套太陽能的連網平台，予用戶監察發電系統情況。如發生極端天氣情況，首先天文台在較早時間已有公佈，發電系統持有者或監察者可登入系統關注系統情況，以便危機處理。



System monitor

C1) Monitoring System: (Passively)

CLP provides a Platform for users to track the status of the renewable system. At any time, the owner or authorized users can log in to check on the status of the system. This will be extremely useful in crisis situations.

C2) 主動式監察系統:

太陽能系統的逆變器，除用作將直流電轉為交流電外的主要功能外，更附帶一個主動式的監察系統。就是當系統發生故障時，將發出預警信息予相關人士（系統監察人／擁有人）。而本系統所使用的逆變器也多於一個，故一出現突發狀況，指定太陽能板系統範圍的特定逆變器將作出預警，便能迅速作出危機處理反應。而系統傳輸將採用無線傳輸。

C2) Monitoring System (Actively):

While the primary function of the system inverter is to convert direct current to alternating current, it also serves as an active monitoring system. When the system fails for a any reason, Alert Messages will be sent to system monitors/owners via a 4G Mobile Network. The solar system will employ multiple inverters. In the event of an emergency, the related inverter connected to the related solar panels will automatically send out warnings and alerts with correct information, allowing users to respond and take immediate actions.

C3) 維護和檢查

在系統設計上，已預設變壓器，及多重的短路裝置，應付雷擊令太陽能系統免於火警而釋出有害物質而污染水質。

該系統設計符合機電工程署的各種法例要求。

在常規上，系統持有人將安排合資格的持牌承辦商，每年作出檢查，包括結構，電力接駁，以確保系統處於最佳狀態。

C3) Maintenance

The Solar Power System is equipped with transformers and multiple short-circuit protection devices to deal with accidents such as thunderstorms and typhoons, as well as to protect the system from fires and the release of harmful substances that pollute the water.

The system is built in compliance with EMSD standards. An annual inspection, including structure and power connection, will be performed to ensure that the system is kept in the best condition. The chance of contaminating the WGG and the water will be almost Zero.

D：國際性認證:

就太陽能系統的主要組件，太陽能板對長期暴露於開放露天環境的狀態極其重要。太陽能板的構造不含可溶性重金屬或有毒物質。另附上 TUV 南德集團 的證書，當中有各種認證。因該太陽能板塊，於全球用於不同緯度，面對各種的天氣情況也能維持穩定性。故能確保運用於現有位置，不會對 WGG 造成影響。

節錄相關標準如下 (只提供英文)
CERTIFICATE: No. Z72 072092 0295 Rev45

Section D: International Standard and Certification:

Panels are the main component of the solar system, the state of the solar panel exposed to the open climate is important.

The certificate of TUV SUD No. Z72 072092 0295 Rev45 attached. Certified that mechanical stability, durability and isolation features of the solar photovoltaic system in open-air climates are certified to international standard(s), can ensure no leaching of toxic nor harmful substances within WGG.

Because of this series of solar panel, is used globally. At different latitudes, it can maintain stability in the various weather conditions.

Relevant standards are as follows (English only)
CERTIFICATE: No. Z72 072092 0295 Rev45

Tested according to:

有關在開放大氣環境的穩定性：

IEC 61215-1:2016

EN 61215-1:2016

IEC 61215-1:2016 lays down requirements for the design qualification and type approval of terrestrial photovoltaic (PV) modules suitable for long-term operation in general open-air climates, as defined in IEC 60721-2-1. This standard is intended to apply to all terrestrial flat plate module materials such as crystalline silicon module types as well as thin-film modules. The objective of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure in climates described in the scope. This edition of IEC 61215-1 includes the following significant technical changes with respect to the second edition of IEC 61215:2005: new standard series structure consistent with other IEC standards: Part 1 lists general requirements, Part 1-x specifics for each PV.

IEC 61215-1-1:2016

EN 61215-1-1:2016

IEC 61215-1-1:2016 lays down requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open air climates, as defined in IEC 60721-2-1. This standard is intended to apply to all crystalline silicon terrestrial flat plate modules. The object of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure in climates described in the scope. This standard defines PV technology dependent modifications to the testing procedures and requirements per IEC 61215-1:2016 and IEC 61215-2:2016.

IEC 61215-2:2016

EN 61215-2:2017

IEC 61215-2:2016 is intended to apply to all terrestrial flat plate module materials such as crystalline silicon module types as well as thin-film modules. The objective of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure in general open-air climates. The actual lifetime expectancy of modules so qualified will depend on their design, their environment and the conditions under which they are operated.

The contents of the corrigendum of March 2018 have been included in this copy.

有關火災,電擊,外部應力的安全性：

IEC 61730-1:2016

EN IEC 61730-1:2018

EN IEC 61730-1:2018/AC:2018-06

IEC 61730-1:2016 specifies and describes the fundamental construction requirements for photovoltaic (PV) modules in order to provide safe electrical and mechanical operation. Specific topics are provided to assess the prevention of electrical shock, fire hazards, and personal injury due to mechanical and environmental stresses. This part of IEC 61730 pertains to the particular requirements of construction. IEC 61730-2 defines the requirements of testing. This International Standard series lays down IEC requirements of terrestrial photovoltaic modules suitable for long-term operation in open-air climates. This standard is intended to apply to all terrestrial flat plate module materials such as crystalline silicon module types as well as thin-film modules. This new edition includes the following significant technical changes with respect to the previous edition:

- adaption of horizontal standards and inclusion of IEC 60664 and IEC 61140
- implementation of insulation coordination, overvoltage category, classes, pollution degree and material groups definition of creepage, clearance and distance through insulation.

IEC 61730-2:2016

EN IEC 61730-2:2018

EN IEC 61730-2:2018/AC:2018-06

IEC 61730-2:2016 is available as IEC 61730-2:2016 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.

IEC 61730-2:2016 provides the testing sequence intended to verify the safety of PV modules whose construction has been assessed by IEC 61730-1. The test sequence and pass criteria are designed to detect the potential breakdown of internal and external components of PV modules that would result in fire, electric shock, and/or personal injury. The standard defines the basic safety test requirements and additional tests that are a function of the PV module end-use applications. Test categories include general inspection, electrical shock hazard, fire hazard, mechanical stress, and environmental stress. This new edition includes the following significant technical changes with respect to the previous edition:

- the test sequences have been rearranged
- various tests have been detailed or added

Harvest the Sunshine

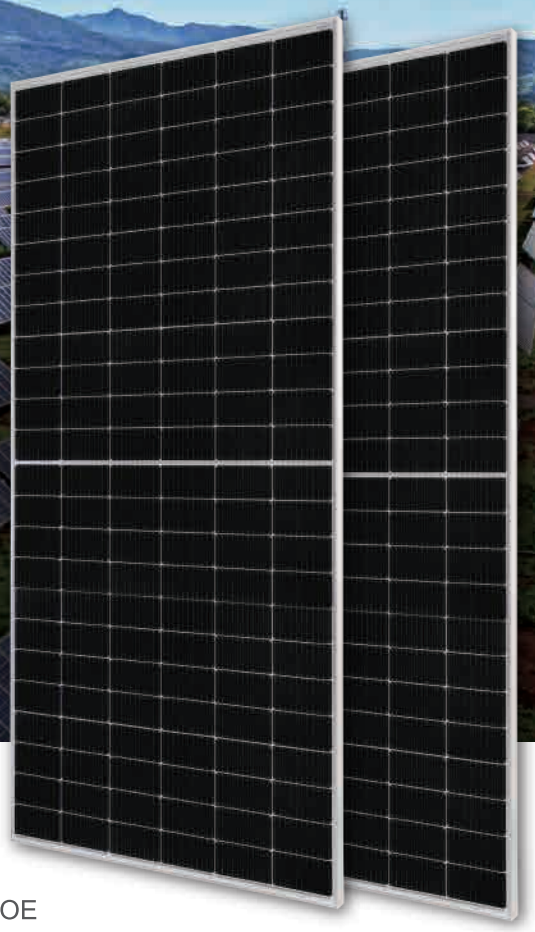
DEEP BLUE 3.0

Mono

550W MBB Half-cell Module
JAM72S30 525-550/MR Series

Introduction

Assembled with 11BB PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

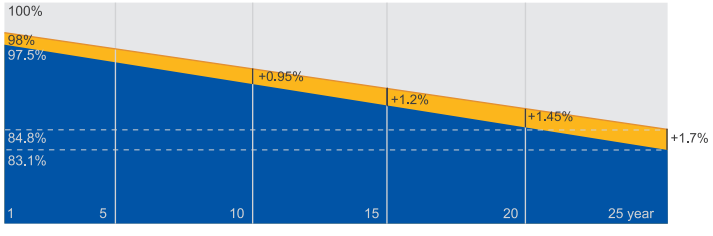


- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- Better mechanical loading tolerance

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty

0.55% Annual Degradation Over 25 years



New linear power warranty Standard module linear power warranty

Comprehensive Certificates

- IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval

JA SOLAR

www.jasolar.com

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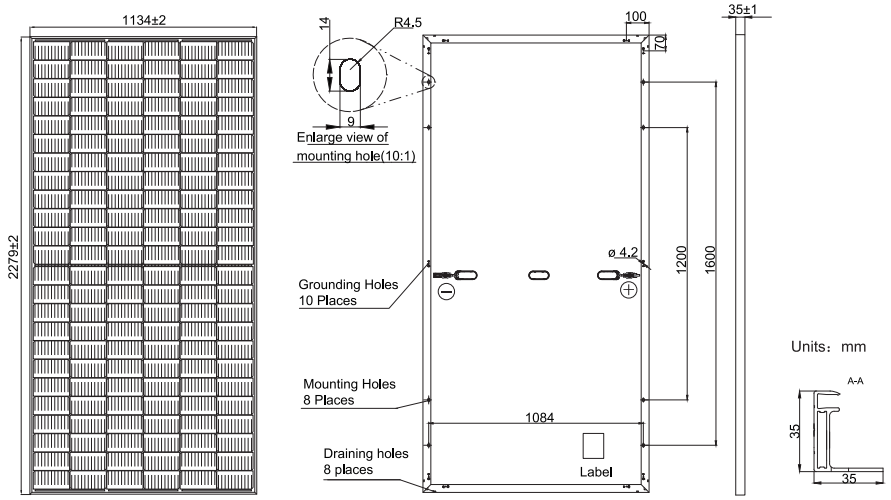
JAM72S30 525-550/MR Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	28.6kg±3%
Dimensions	2279±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm²（IEC），12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	QC 4.10(1000V) QC 4.10-35(1500V)
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Packaging Configuration	31pcs/Pallet, 620pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30 -525/MR	JAM72S30 -530/MR	JAM72S30 -535/MR	JAM72S30 -540/MR	JAM72S30 -545/MR	JAM72S30 -550/MR
Rated Maximum Power(Pmax) [W]	525	530	535	540	545	550
Open Circuit Voltage(Voc) [V]	49.15	49.30	49.45	49.60	49.75	49.90
Maximum Power Voltage(Vmp) [V]	41.15	41.31	41.47	41.64	41.80	41.96
Short Circuit Current(Isc) [A]	13.65	13.72	13.79	13.86	13.93	14.00
Maximum Power Current(Imp) [A]	12.76	12.83	12.90	12.97	13.04	13.11
Module Efficiency [%]	20.3	20.5	20.7	20.9	21.1	21.3
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.045%°C					
Temperature Coefficient of Voc(β_Voc)	-0.275%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.350%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

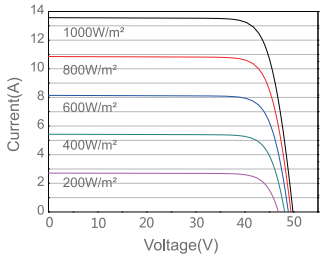
TYPE	JAM72S30 -525/MR	JAM72S30 -530/MR	JAM72S30 -535/MR	JAM72S30 -540/MR	JAM72S30 -545/MR	JAM72S30 -550/MR
Rated Max Power(Pmax) [W]	397	401	405	408	412	416
Open Circuit Voltage(Voc) [V]	46.05	46.18	46.31	46.43	46.55	46.68
Max Power Voltage(Vmp) [V]	38.36	38.57	38.78	38.99	39.20	39.43
Short Circuit Current(Isc) [A]	10.97	11.01	11.05	11.09	11.13	11.17
Max Power Current(Imp) [A]	10.35	10.39	10.43	10.47	10.51	10.55
NOCT	Irradiance 800W/m², ambient temperature 20°C,wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

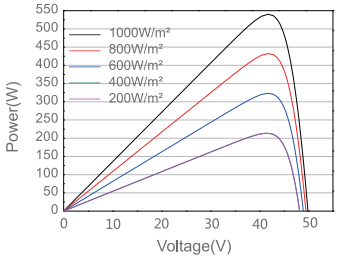
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	25A
Maximum Static Load,Front* Maximum Static Load,Back*	5400Pa(112lb/ft²) 2400Pa(50lb/ft²)
NOCT	45±2℃
Safety Class	Class Ⅱ
Fire Performance	UL Type 1

CHARACTERISTICS

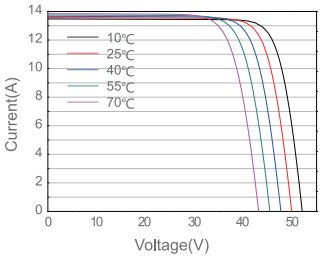
Current-Voltage Curve JAM72S30-540/MR



Power-Voltage Curve JAM72S30-540/MR



Current-Voltage Curve JAM72S30-540/MR



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[redacted]

Holder of Certificate: [redacted]

Certification Mark:

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061604115-60

Valid until: 2027-01-18

Date, 2022-01-20

(Zhulin Zhang)

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Model(s):

1500 V DC Maximum System voltage, Fire Safety Class A or C Modules:
JAM72D00-xxx/BP/1500V,JAM72D00-xxx/BP, xxx= 330 to 385 in steps of 5;
JAM60D00-xxx/BP/1500V,JAM60D00-xxx/BP, xxx= 275 to 320 in steps of 5;
JAM60D00-xxx/PR/1500V,JAM60D00-xxx/PR, xxx= 285 to 320 in steps of 5;
JAM72D00-xxx/PR/1500V,JAM72D00-xxx/PR, xxx= 340 to 385 in steps of 5;
JAM60D00-xxx/MB/1500V, JAM60D00-xxx/MB, xxx= 310 to 315 in steps of 5;
JAM72D00-xxx/MB/1500V, JAM72D00-xxx/MB, xxx= 370 to 380 in steps of 5;
JAM72D09-xxx/BP/1500V, JAM72D09-xxx/BP, xxx= 360 to 400 in steps of 5;
JAM60D09-xxx/BP/1500V, JAM60D09-xxx/BP, xxx= 300 to 340 in steps of 5;
JAM72D10-xxx/MB/1500V, JAM72D10-xxx/MB, xxx= 385 to 430 in steps of 5;
JAM60D10-xxx/MB/1500V, JAM60D10-xxx/MB, xxx= 320 to 355 in steps of 5;
JAM72D10-xxx/BP/1500V, JAM72D10-xxx/BP, xxx= 385 to 415 in steps of 5;
JAM60D10-xxx/BP/1500V, JAM60D10-xxx/BP, xxx= 320 to 345 in steps of 5;
JAM66D10-xxx/MB/1500V, JAM66D10-xxx/MB, xxx= 360 to 380 in steps of 5;
JAM78D10-xxx/MB/1500V, JAM78D10-xxx/MB, xxx= 435 to 455 in steps of 5;
JAM72D20-xxx/MB/1500V, JAM72D20-xxx/MB, xxx= 430 to 465 in steps of 5;
JAM60D20-xxx/MB/1500V, JAM60D20-xxx/MB, xxx= 355 to 385 in steps of 5;
JAM72D10-xxx/TB/1500V, JAM72D10-xxx/TB, xxx= 400 to 420 in steps of 5;
JAM60D10-xxx/TB/1500V, JAM60D10-xxx/TB, xxx= 335 to 350 in steps of 5;
JAM78D30-xxx/MB/1500V, JAM78D30-xxx/MB, xxx= 580 to 605 in steps of 5;
JAM72D30-xxx/MB/1500V, JAM72D30-xxx/MB, xxx= 505 to 555 in steps of 5;
JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F,
xxx= 505 to 555 in steps of 5;
JAM66D30-xxx/MB/1500V, JAM66D30-xxx/MB, xxx= 465 to 505 in steps of 5;
JAM66D30-xxx/MB/F/1500V, JAM66D30-xxx/MB/F,
xxx= 465 to 505 in steps of 5;
JAM60D30-xxx/MB/1500V, JAM60D30-xxx/MB, xxx=435 to 460 in steps of 5;
JAM54D30-xxx/MB/1500V, JAM54D30-xxx/MB, xxx= 390 to 415 in steps of 5;
JAM50D40-xxx/MB/1500V, JAM50D40-xxx/MB, xxx= 485 to 500 in steps of 5;
JAM78D30-xxx/GB/1500V, JAM78D30-xxx/GB, xxx= 585 to 595 in steps of 5;
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB, xxx= 540 to 550 in steps of 5;
JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB, xxx= 495 to 500 in steps of 5;
JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB, xxx= 450 to 455 in steps of 5;
JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx= 405 to 410 in steps of 5;
JAM72D30-xxx/HB/1500V, JAM72D30-xxx/HB, xxx= 530 to 560 in steps of 5;
JAM78D30-xxx/TB/1500V, JAM78D30-xxx/TB, xxx= 580 to 610 in steps of 5;
JAM72D30-xxx/TB/1500V, JAM72D30-xxx/TB, xxx= 540 to 560 in steps of 5;
JAM66D30-xxx/TB/1500V, JAM66D30-xxx/TB, xxx= 500 to 515 in steps of 5;
JAM60D30-xxx/TB/1500V, JAM60D30-xxx/TB, xxx= 455 to 470 in steps of 5;
JAM54D30-xxx/TB/1500V, JAM54D30-xxx/TB, xxx= 405 to 420 in steps of 5;

1000 V DC Maximum System voltage, Fire Safety Class C Modules:
JAM6(K)-72-xxx/PR, xxx= 345 to 370 in steps of 5;
JAM6(K)-60-xxx/PR, xxx= 285 to 310 in steps of 5;
JAM6(K)-72-xxx/4BB, xxx= 320 to 345 in steps of 5;
JAM6(K)-60-xxx/4BB, xxx= 265 to 285 in steps of 5;
JAM72S01-xxx/SC/1000V, xxx= 320 to 365 in steps of 5;
JAM60S01-xxx/SC/1000V, xxx= 265 to 305 in steps of 5;
JAM72S01-xxx/PR/1000V, xxx= 345 to 390 in steps of 5;
JAM60S01-xxx/PR/1000V, xxx= 285 to 325 in steps of 5;
JAM72S01-xxx/MR/1000V, xxx= 365 to 385 in steps of 5;
JAM60S01-xxx/MR/1000V, xxx= 305 to 320 in steps of 5;
JAM72S03-xxx/PR/1000V, xxx= 360 to 395 in steps of 5;
JAM60S03-xxx/PR/1000V, xxx= 300 to 330 in steps of 5;
JAM72S09-xxx/PR/1000V, xxx= 370 to 405 in steps of 5;
JAM60S09-xxx/PR/1000V, xxx= 310 to 335 in steps of 5;
JAM72S10-xxx/PR/1000V, xxx= 380 to 410 in steps of 5;
JAM60S10-xxx/PR/1000V, xxx= 315 to 345 in steps of 5;
JAM72S10-xxx/MR/1000V, xxx= 390 to 430 in steps of 5;
JAM60S10-xxx/MR/1000V, xxx= 325 to 355 in steps of 5;
JAM60S10-xxx/MR-L/1000V, xxx= 325 to 355 in steps of 5;
JAM78S10-xxx/MR/1000V, xxx= 435 to 465 in steps of 5;
JAM66S10-xxx/MR/1000V, xxx= 345 to 390 in steps of 5;
JAM72S09-xxx/BP/1000V, xxx= 375 to 385 in steps of 5;
JAM60S09-xxx/BP/1000V, xxx= 315 to 320 in steps of 5;
JAM72S10-xxx/BP/1000V, xxx= 385 to 400 in steps of 5;
JAM60S10-xxx/BP/1000V, xxx= 320 to 330 in steps of 5.
JAM72S02-xxx/PR/1000V, xxx= 345 to 390 in steps of 5;
JAM60S02-xxx/PR/1000V, xxx= 285 to 325 in steps of 5;
JAM72S02-xxx/SC/1000V, xxx= 320 to 365 in steps of 5;

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JAM60S02-xxx/SC/1000V, xxx= 265 to 305 in steps of 5;
JAM72S02-xxx/MR/1000V, xxx= 365 to 385 in steps of 5;
JAM60S02-xxx/MR/1000V, xxx= 305 to 320 in steps of 5;
JAM72S08-xxx/PR/1000V, xxx= 360 to 395 in steps of 5;
JAM60S08-xxx/PR/1000V, xxx= 300 to 330 in steps of 5;
JAM72S12-xxx/PR/1000V, xxx= 365 to 385 in steps of 5;
JAM60S12-xxx/PR/1000V, xxx= 305 to 330 in steps of 5;
JAM72S17-xxx/PR/1000V, xxx= 380 to 390 in steps of 5;
JAM60S17-xxx/PR/1000V, xxx= 315 to 325 in steps of 5;
JAM72S17-xxx/MR/1000V, xxx= 390 to 430 in steps of 5;
JAM60S17-xxx/MR/1000V, xxx= 315 to 355 in steps of 5;
JAM72S10-xxx/MB/1000V, xxx= 395 to 415 in steps of 5;
JAM60S10-xxx/MB/1000V, xxx= 330 to 345 in steps of 5;
JAM72S20-xxx/MR/1000V, xxx= 430 to 470 in steps of 5;
JAM60S20-xxx/MR/1000V, xxx= 355 to 390 in steps of 5;
JAM78S30-xxx/MR/1000V, xxx= 580 to 605 in steps of 5;
JAM72S30-xxx/MR/1000V, xxx= 510 to 555 in steps of 5;
JAM66S30-xxx/MR/1000V, xxx= 470 to 505 in steps of 5;
JAM60S30-xxx/MR/1000V, xxx= 435 to 460 in steps of 5;
JAM54S30-xxx/MR/1000V, xxx= 390 to 415 in steps of 5;
JAM60S21-xxx/MR/1000V, xxx= 355 to 390 in steps of 5;
JAM50S40-xxx/MR/1000V, xxx= 490 to 500 in steps of 5;
JAM72S20-xxx/MB/1000V, xxx= 450 to 465 in steps of 5;
JAM60S20-xxx/MB/1000V, xxx= 375 to 390 in steps of 5;
JAM72S31-xxx/MR/1000V, xxx= 510 to 545 in steps of 5;
JAM66S31-xxx/MR/1000V, xxx= 470 to 500 in steps of 5;
JAM60S31-xxx/MR/1000V, xxx= 425 to 450 in steps of 5;
JAM54S31-xxx/MR/1000V, xxx= 385 to 405 in steps of 5;
JAM76S11-xxx/PR(B)/1000V, xxx= 395 to 415 in steps of 5;
JAM78S30-xxx/GR/1000V, xxx= 575 to 600 in steps of 5;
JAM72S30-xxx/GR/1000V, xxx= 535 to 555 in steps of 5;
JAM66S30-xxx/GR/1000V, xxx= 500 to 505 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 460 in steps of 5;
JAM54S30-xxx/GR/1000V, xxx= 400 to 415 in steps of 5;
JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5;
JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5;
JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5;
JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5;
JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5;
JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5;

1000 V DC or 1500 V DC Maximum System voltage,
Fire Safety Class C Modules:
JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5;
JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5;
JAM60S01-xxx/PR, xxx= 285 to 325 in steps of 5;
JAM72S01-xxx/MR, xxx= 365 to 385 in steps of 5;
JAM60S01-xxx/MR, xxx= 305 to 320 in steps of 5;
JAM72S03-xxx/PR, xxx= 360 to 395 in steps of 5;
JAM60S03-xxx/PR, xxx= 300 to 330 in steps of 5;
JAM72S09-xxx/PR, xxx= 370 to 405 in steps of 5;
JAM60S09-xxx/PR, xxx= 310 to 335 in steps of 5;
JAM72S10-xxx/PR, xxx= 380 to 410 in steps of 5;
JAM60S10-xxx/PR, xxx= 315 to 345 in steps of 5;
JAM72S10-xxx/MR, xxx= 390 to 430 in steps of 5;
JAM60S10-xxx/MR, xxx= 325 to 355 in steps of 5;
JAM60S10-xxx/MR-L, xxx= 325 to 355 in steps of 5;
JAM78S10-xxx/MR, xxx= 435 to 465 in steps of 5;
JAM66S10-xxx/MR, xxx= 345 to 390 in steps of 5;
JAM72S09-xxx/BP, xxx= 375 to 385 in steps of 5;
JAM60S09-xxx/BP, xxx= 315 to 320 in steps of 5;
JAM72S10-xxx/BP, xxx= 385 to 400 in steps of 5;
JAM60S10-xxx/BP, xxx= 320 to 330 in steps of 5.
JAM72S02-xxx/PR, xxx= 345 to 390 in steps of 5;
JAM60S02-xxx/PR, xxx= 285 to 325 in steps of 5;
JAM72S02-xxx/SC, xxx= 320 to 365 in steps of 5;
JAM60S02-xxx/SC, xxx= 265 to 305 in steps of 5;
JAM72S02-xxx/MR, xxx= 365 to 385 in steps of 5;
JAM60S02-xxx/MR, xxx= 305 to 320 in steps of 5;
JAM72S08-xxx/PR, xxx= 360 to 395 in steps of 5;

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JAM60S08-xxx/PR, xxx= 300 to 330 in steps of 5;
JAM72S12-xxx/PR, xxx= 365 to 385 in steps of 5;
JAM60S12-xxx/PR, xxx= 305 to 330 in steps of 5;
JAM72S17-xxx/PR, xxx= 380 to 390 in steps of 5;
JAM60S17-xxx/PR, xxx= 315 to 325 in steps of 5;
JAM72S17-xxx/MR, xxx= 390 to 430 in steps of 5;
JAM60S17-xxx/MR, xxx= 315 to 355 in steps of 5;
JAM72S10-xxx/MB, xxx= 395 to 415 in steps of 5;
JAM60S10-xxx/MB, xxx= 330 to 345 in steps of 5;
JAM72S20-xxx/MR, xxx= 430 to 470 in steps of 5;
JAM60S20-xxx/MR, xxx= 355 to 390 in steps of 5;
JAM78S10-xxx/MR-J, xxx= 435 to 465 in steps of 5;
JAM78S30-xxx/MR, xxx= 580 to 605 in steps of 5;
JAM72S30-xxx/MR, xxx= 510 to 555 in steps of 5;
JAM66S30-xxx/MR, xxx= 470 to 505 in steps of 5;
JAM60S30-xxx/MR, xxx= 435 to 460 in steps of 5;
JAM54S30-xxx/MR, xxx= 390 to 415 in steps of 5;
JAM60S21-xxx/MR, xxx= 355 to 390 in steps of 5;
JAM50S40-xxx/MR, xxx= 490 to 500 in steps of 5;
JAM72S20-xxx/MB, xxx= 450 to 465 in steps of 5;
JAM60S20-xxx/MB, xxx= 375 to 390 in steps of 5;
JAM68S11-xxx/PR, xxx= 355 to 365 in steps of 5;
JAM68S11-xxx/PR(B), xxx= 345 to 365 in steps of 5;
JAM72S31-xxx/MR, xxx= 510 to 545 in steps of 5;
JAM66S31-xxx/MR, xxx= 470 to 500 in steps of 5;
JAM60S31-xxx/MR, xxx= 425 to 450 in steps of 5;
JAM54S31-xxx/MR, xxx= 385 to 405 in steps of 5;
JAM76S11-xxx/PR(B), xxx= 395 to 415 in steps of 5;
JAM78S30-xxx/GR, xxx= 575 to 600 in steps of 5;
JAM72S30-xxx/GR, xxx= 535 to 555 in steps of 5;
JAM66S30-xxx/GR, xxx= 500 to 505 in steps of 5;
JAM60S30-xxx/GR, xxx= 445 to 460 in steps of 5;
JAM54S30-xxx/GR, xxx= 400 to 415 in steps of 5;
JAM78S31-xxx/GR, xxx= 570 to 590 in steps of 5;
JAM72S31-xxx/GR, xxx= 525 to 545 in steps of 5;
JAM66S31-xxx/GR, xxx= 480 to 500 in steps of 5;
JAM60S31-xxx/GR, xxx= 435 to 450 in steps of 5;
JAM54S31-xxx/GR, xxx= 395 to 405 in steps of 5;
JAM72S17-xxx/GR, xxx= 385 to 400 in steps of 5;

1500 V DC Maximum System voltage, Fire Safety Class C Modules:
JAM6(K)-72-xxx/PR/1500V, xxx= 345 to 370 in steps of 5;
JAM6(K)-60-xxx/PR/1500V, xxx= 285 to 310 in steps of 5;
JAM6(K)-72-xxx/4BB/1500V, xxx= 320 to 345 in steps of 5;
JAM6(K)-60-xxx/4BB/1500V, xxx= 265 to 285 in steps of 5;
JAM72S01-xxx/SC/1500V, xxx= 320 to 365 in steps of 5;
JAM60S01-xxx/SC/1500V, xxx= 265 to 305 in steps of 5;
JAM72S01-xxx/PR, xxx= 345 to 390 in steps of 5;
JAM60S01-xxx/PR/1500V, xxx= 285 to 325 in steps of 5;
JAM72S01-xxx/MR/1500V, xxx= 365 to 385 in steps of 5;
JAM60S01-xxx/MR/1500V, xxx= 305 to 320 in steps of 5;
JAM72S03-xxx/PR/1500V, xxx= 360 to 395 in steps of 5;
JAM60S03-xxx/PR/1500V, xxx= 300 to 330 in steps of 5;
JAM72S09-xxx/PR/1500V, xxx= 370 to 405 in steps of 5;
JAM60S09-xxx/PR/1500V, xxx= 310 to 335 in steps of 5;
JAM72S10-xxx/PR/1500V, xxx= 380 to 410 in steps of 5;
JAM60S10-xxx/PR/1500V, xxx= 315 to 345 in steps of 5;
JAM72S10-xxx/MR/1500V, xxx= 390 to 430 in steps of 5;
JAM60S10-xxx/MR/1500V, xxx= 325 to 355 in steps of 5;
JAM60S10-xxx/MR-L/1500V, xxx= 325 to 355 in steps of 5;
JAM78S10-xxx/MR/1500V, xxx= 435 to 465 in steps of 5;
JAM66S10-xxx/MR/1500V, xxx= 345 to 390 in steps of 5;
JAM72S09-xxx/BP/1500V, xxx= 375 to 385 in steps of 5;
JAM60S09-xxx/BP/1500V, xxx= 315 to 320 in steps of 5;
JAM72S10-xxx/BP/1500V, xxx= 385 to 400 in steps of 5;
JAM60S10-xxx/BP/1500V, xxx= 320 to 330 in steps of 5.
JAM72S02-xxx/PR/1500V, xxx= 345 to 390 in steps of 5;
JAM60S02-xxx/PR/1500V, xxx= 285 to 325 in steps of 5;
JAM72S02-xxx/SC/1500V, xxx= 320 to 365 in steps of 5;
JAM60S02-xxx/SC/1500V, xxx= 265 to 305 in steps of 5;

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JAM72S02-xxx/MR/1500V, xxx= 365 to 385 in steps of 5;
JAM60S02-xxx/MR/1500V, xxx= 305 to 320 in steps of 5;
JAM72S08-xxx/PR/1500V, xxx= 360 to 395 in steps of 5;
JAM60S08-xxx/PR/1500V, xxx= 300 to 330 in steps of 5;
JAM72S12-xxx/PR/1500V, xxx= 365 to 385 in steps of 5;
JAM60S12-xxx/PR/1500V, xxx= 305 to 330 in steps of 5;
JAM72S17-xxx/PR/1500V, xxx= 380 to 390 in steps of 5;
JAM60S17-xxx/PR/1500V, xxx= 315 to 325 in steps of 5;
JAM72S17-xxx/MR/1500V, xxx= 390 to 430 in steps of 5;
JAM60S17-xxx/MR/1500V, xxx= 315 to 355 in steps of 5;
JAM72S10-xxx/MB/1500V, xxx= 395 to 415 in steps of 5;
JAM60S10-xxx/MB/1500V, xxx= 330 to 345 in steps of 5;
JAM72S20-xxx/MR/1500V, xxx= 430 to 470 in steps of 5;
JAM60S20-xxx/MR/1500V, xxx= 355 to 390 in steps of 5;
JAM78S30-xxx/MR/1500V, xxx= 580 to 605 in steps of 5;
JAM72S30-xxx/MR/1500V, xxx= 510 to 555 in steps of 5;
JAM66S30-xxx/MR/1500V, xxx= 470 to 505 in steps of 5;
JAM60S30-xxx/MR/1500V, xxx= 435 to 460 in steps of 5;
JAM54S30-xxx/MR/1500V, xxx= 390 to 415 in steps of 5;
JAM60S21-xxx/MR/1500V, xxx= 355 to 390 in steps of 5;
JAM50S40-xxx/MR/1500V, xxx= 490 to 500 in steps of 5;
JAM72S20-xxx/MB/1500V, xxx= 450 to 465 in steps of 5;
JAM60S20-xxx/MB/1500V, xxx= 375 to 390 in steps of 5;
JAM72S31-xxx/MR/1500V, xxx= 510 to 545 in steps of 5;
JAM66S31-xxx/MR/1500V, xxx= 470 to 500 in steps of 5;
JAM60S31-xxx/MR/1500V, xxx= 425 to 450 in steps of 5;
JAM54S31-xxx/MR/1500V, xxx= 385 to 405 in steps of 5;
JAM76S11-xxx/PR(B)/1500V, xxx= 395 to 415 in steps of 5;
JAM78S30-xxx/GR/1500V, xxx= 575 to 600 in steps of 5;
JAM72S30-xxx/GR/1500V, xxx= 535 to 555 in steps of 5;
JAM66S30-xxx/GR/1500V, xxx= 500 to 505 in steps of 5;
JAM60S30-xxx/GR/1500V, xxx= 445 to 460 in steps of 5;
JAM54S30-xxx/GR/1500V, xxx= 400 to 415 in steps of 5;
JAM78S31-xxx/GR/1500V, xxx= 570 to 590 in steps of 5;
JAM72S31-xxx/GR/1500V, xxx= 525 to 545 in steps of 5;
JAM66S31-xxx/GR/1500V, xxx= 480 to 500 in steps of 5;
JAM60S31-xxx/GR/1500V, xxx= 435 to 450 in steps of 5;
JAM54S31-xxx/GR/1500V, xxx= 395 to 405 in steps of 5;
JAM72S17-xxx/GR/1500V, xxx= 385 to 400 in steps of 5;
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed or Frameless, with Junction box, Cable and Connectors.
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute No. 10 West Kaifa Road, Yangzhou 225009 Jiangsu, P. R. China
Safety Class:	Class II
Maximum System Voltage:	1500 V DC or 1000 V DC
Fire Safety Class:	Class C or Class A according to UL790.
Production Facility(ies):	079395, 105674, 107160, 095903, 090968, 096558, 108293, 102852, 108746, 072092, 109998, 112017, 108944, 004170, 112715, 113691, 113943, 114922.

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Tested according to:

IEC 61215-1:2016
EN 61215-1:2016
IEC 61215-1-1:2016
EN 61215-1-1:2016
IEC 61215-2:2016
EN 61215-2:2017
IEC 61730-1:2016
EN IEC 61730-1:2018
EN IEC 61730-1:2018/AC:2018-06
IEC 61730-2:2016
EN IEC 61730-2:2018
EN IEC 61730-2:2018/AC:2018-06

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Holder of Certificate: [redacted]

Certification Mark:

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061900211-15

Valid until: 2027-01-25

Date, 2022-01-26

(Zhulin Zhang)

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Model(s):

Maximum System Voltage: 1000 V DC
JAM6(K)-72-xxx/PR, xxx=345 to 370 in step of 5
JAM6(K)-60-xxx/PR, xxx=285 to 310 in step of 5
JAM6(K)-72-xxx/4BB, xxx=320 to 345 in step of 5
JAM6(K)-60-xxx/4BB, xxx=265 to 285 in step of 5
JAM72S01-xxx/SC/1000V, xxx=320 to 365 in step of 5
JAM60S01-xxx/SC/1000V, xxx=265 to 305 in step of 5
JAM72S01-xxx/PR/1000V, xxx=345 to 390 in step of 5
JAM60S01-xxx/PR/1000V, xxx=285 to 325 in step of 5
JAM72S03-xxx/PR/1000V, xxx=360 to 395 in step of 5
JAM60S03-xxx/PR/1000V, xxx=300 to 330 in step of 5
JAM72S09-xxx/PR/1000V, xxx=370 to 405 in step of 5
JAM60S09-xxx/PR/1000V, xxx=310 to 335 in step of 5
JAM72S09-xxx/BP/1000V, xxx=375 to 385 in step of 5
JAM60S09-xxx/BP/1000V, xxx=315 to 320 in step of 5
JAM72S10-xxx/PR/1000V, xxx=380 to 410 in step of 5
JAM60S10-xxx/PR/1000V, xxx=315 to 345 in step of 5
JAM72S10-xxx/BP/1000V, xxx=385 to 400 in step of 5
JAM60S10-xxx/BP/1000V, xxx=320 to 330 in step of 5
JAM72S10-xxx/MR/1000V, xxx=390 to 430 in step of 5
JAM60S10-xxx/MR/1000V, xxx=325 to 355 in step of 5
JAM78S10-xxx/MR/1000V, xxx=435 to 465 in step of 5
JAM66S10-xxx/MR/1000V, xxx=345 to 390 in step of 5
JAM72S17-xxx/MR/1000V, xxx= 390 to 430 in step of 5
JAM60S17-xxx/MR/1000V, xxx= 315 to 355 in step of 5
JAM72S10-xxx/MB/1000V, xxx=395 to 415 in step of 5
JAM60S10-xxx/MB/1000V, xxx=330 to 345 in step of 5
JAM72S20-xxx/MR/1000V, xxx=430 to 470 in step of 5
JAM60S20-xxx/MR/1000V, xxx=355 to 390 in step of 5
JAM72S30-xxx/MR/1000V, xxx= 510 to 555 in step of 5
JAM66S30-xxx/MR/1000V, xxx= 470 to 505 in step of 5
JAM60S30-xxx/MR/1000V, xxx= 435 to 460 in step of 5
JAM60S21-xxx/MR/1000V, xxx= 355 to 390 in step of 5
JAM54S30-xxx/MR/1000V, xxx= 390 to 415 in step of 5
JAM72S20-xxx/MB/1000V, xxx=450 to 465 in step of 5
JAM60S20-xxx/MB/1000V, xxx=375 to 390 in step of 5
JAM76S11-xxxPR(B)/1000V, xxx=395 to 415 in step of 5
JAM78S30-xxx/GR/1000V, xxx=575 to 600 in step of 5
JAM72S30-xxx/GR/1000V, xxx=535 to 555 in step of 5
JAM66S30-xxx/GR/1000V, xxx=500 to 505 in step of 5
JAM60S30-xxx/GR/1000V, xxx=445 to 460 in step of 5
JAM54S30-xxx/GR/1000V, xxx=400 to 415 in step of 5
JAM78S31-xxx/GR/1000V, xxx=570 to 590 in step of 5
JAM72S31-xxx/GR/1000V, xxx=525 to 545 in step of 5
JAM66S31-xxx/GR/1000V, xxx=480 to 500 in step of 5
JAM60S31-xxx/GR/1000V, xxx=435 to 450 in step of 5
JAM54S31-xxx/GR/1000V, xxx=395 to 405 in step of 5
JAM72S31-xxx/MR/1000V, xxx=510-545 in step of 5
JAM66S31-xxx/MR/1000V, xxx=470-500 in step of 5
JAM60S31-xxx/MR/1000V, xxx=425-450 in step of 5
JAM54S31-xxx/MR/1000V, xxx=385-405 in step of 5
JAM78S30-xxx/MR/1000V, xxx=580 to 605 in step of 5
JAM72S17-xxx/GR/1000V, xxx=385 to 400 in step of 5

Maximum System Voltage: 1500 V DC
JAM72D00-xxx/BP/1500V, xxx=330 to 385 in step of 5
JAM72D00-xxx/BP, xxx=330 to 385 in step of 5
JAM60D00-xxx/BP/1500V, xxx=275 to 320 in step of 5
JAM60D00-xxx/BP, xxx=275 to 320 in step of 5
JAM72D00-xxx/PR/1500V, xxx=340 to 385 in step of 5
JAM72D00-xxx/PR, xxx=340 to 385 in step of 5
JAM60D00-xxx/PR/1500V, xxx=285 to 320 in step of 5

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JAM60D00-xxx/PR, xxx=285 to 320 in step of 5
JAM72D09-xxx/BP/1500V, xxx=360 to 400 in step of 5
JAM72D09-xxx/BP, xxx=360 to 400 in step of 5
JAM60D09-xxx/BP/1500V, xxx=300 to 340 in step of 5
JAM60D09-xxx/BP, xxx=300 to 340 in step of 5
JAM72D10-xxx/MB/1500V, xxx=385 to 430 in step of 5
JAM72D10-xxx/MB, xxx=385 to 430 in step of 5
JAM60D10-xxx/MB/1500V, xxx=320 to 355 in step of 5
JAM60D10-xxx/MB, xxx=320 to 355 in step of 5
JAM72D10-xxx/BP/1500V, xxx=385 to 415 in step of 5
JAM72D10-xxx/BP, xxx=385 to 415 in step of 5
JAM60D10-xxx/BP/1500V, xxx=320 to 345 in step of 5
JAM60D10-xxx/BP, xxx=320 to 345 in step of 5
JAM66D10-xxx/MB, xxx=360 to 380 in step of 5
JAM66D10-xxx/MB/1500V, xxx=360 to 380 in step of 5
JAM78D10-xxx/MB, xxx=435 to 455 in step of 5
JAM78D10-xxx/MB/1500V, xxx=435 to 455 in step of 5
JAM72D20-xxx/MB, xxx=430 to 465 in step of 5
JAM72D20-xxx/MB/1500V, xxx=430 to 465 in step of 5
JAM60D20-xxx/MB, xxx=355 to 385 in step of 5
JAM60D20-xxx/MB/1500V, xxx=355 to 385 in step of 5
JAM6(K)-72-xxx/PR/1500V, xxx=345 to 370 in step of 5
JAM6(K)-60-xxx/PR/1500V, xxx=285 to 310 in step of 5
JAM6(K)-72-xxx/4BB/1500V, xxx=320 to 345 in step of 5
JAM6(K)-60-xxx/4BB/1500V, xxx=265 to 285 in step of 5
JAM72S01-xxx/SC/1500V, xxx=320 to 365 in step of 5
JAM60S01-xxx/SC/1500V, xxx=265 to 305 in step of 5
JAM72S01-xxx/PR, xxx=345 to 390 in step of 5
JAM60S01-xxx/PR/1500V, xxx=285 to 325 in step of 5
JAM72S03-xxx/PR/1500V, xxx=360 to 395 in step of 5
JAM60S03-xxx/PR/1500V, xxx=300 to 330 in step of 5
JAM72S09-xxx/PR/1500V, xxx=370 to 405 in step of 5
JAM60S09-xxx/PR/1500V, xxx=310 to 335 in step of 5
JAM72S10-xxx/PR/1500V, xxx=380 to 410 in step of 5
JAM60S10-xxx/PR/1500V, xxx=315 to 345 in step of 5
JAM78S10-xxx/MR/1500V, xxx=435 to 465 in step of 5
JAM66S10-xxx/MR/1500V, xxx=345 to 390 in step of 5
JAM72S09-xxx/BP/1500V, xxx=375 to 385 in step of 5
JAM60S09-xxx/BP/1500V, xxx=315 to 320 in step of 5
JAM72S10-xxx/BP/1500V, xxx=385 to 400 in step of 5
JAM60S10-xxx/BP/1500V, xxx=320 to 330 in step of 5
JAM72S10-xxx/MB/1500V, xxx=395 to 415 in step of 5
JAM60S10-xxx/MB/1500V, xxx=330 to 345 in step of 5
JAM72S20-xxx/MR/1500V, xxx=430 to 470 in step of 5
JAM60S20-xxx/MR/1500V, xxx=355 to 390 in step of 5
JAM72S30-xxx/MR/1500V, xxx= 510 to 555 in step of 5
JAM66S30-xxx/MR/1500V, xxx= 470 to 505 in step of 5
JAM60S30-xxx/MR/1500V, xxx= 435 to 460 in step of 5
JAM60S21-xxx/MR/1500V, xxx= 355 to 390 in step of 5
JAM72D30-xxx/MB, xxx= 505 to 545 in step of 5
JAM72D30-xxx/MB/1500V, xxx= 505 to 545 in step of 5
JAM66D30-xxx/MB, xxx= 465 to 500 in step of 5
JAM66D30-xxx/MB/1500V, xxx= 465 to 500 in step of 5
JAM60D30-xxx/MB, xxx= 435 to 455 in step of 5
JAM60D30-xxx/MB/1500V, xxx= 435 to 455 in step of 5
JAM54S30-xxx/MR/1500V, xxx= 390 to 415 in step of 5
JAM54D30-xxx/MB, xxx= 390 to 410 in step of 5
JAM54D30-xxx/MB/1500V, xxx= 390 to 410 in step of 5
JAM72S20-xxx/MB/1500V, xxx=450 to 465 in step of 5
JAM60S20-xxx/MB/1500V, xxx=375 to 390 in step of 5
JAM76S11-xxxPR(B)/1500V, xxx=395 to 415 in step of 5
JAM78D30-xxx/GB, JAM78D30-xxx/GB/1500V,

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xxx=585 to 595 in step of 5
JAM72D30-xxx/GB, JAM72D30-xxx/GB/1500V,
xxx=540 to 550 in step of 5
JAM66D30-xxx/GB, JAM66D30-xxx/GB/1500V,
xxx=495 to 500 in step of 5
JAM60D30-xxx/GB, JAM60D30-xxx/GB/1500V,
xxx=450 to 455 in step of 5
JAM54D30-xxx/GB, JAM54D30-xxx/GB/1500V,
xxx=405 to 410 in step of 5
JAM78S30-xxx/GR/1500V, xxx=575 to 600 in step of 5
JAM72S30-xxx/GR/1500V, xxx=535 to 555 in step of 5
JAM66S30-xxx/GR/1500V, xxx=500 to 505 in step of 5
JAM60S30-xxx/GR/1500V, xxx=445 to 460 in step of 5
JAM54S30-xxx/GR/1500V, xxx=400 to 415 in step of 5
JAM78S31-xxx/GR/1500V, xxx=570 to 590 in step of 5
JAM72S31-xxx/GR/1500V, xxx=525 to 545 in step of 5
JAM66S31-xxx/GR/1500V, xxx=480 to 500 in step of 5
JAM60S31-xxx/GR/1500V, xxx=435 to 450 in step of 5
JAM54S31-xxx/GR/1500V, xxx=395 to 405 in step of 5
JAM72S10-xxx/MR/1500V, xxx=380-430 in step of 5
JAM60S10-xxx/MR/1500V, xxx=315-355 in step of 5
JAM72S17-xxx/MR/1500V, xxx=390-430 in step of 5
JAM60S17-xxx/MR/1500V, xxx=315-355 in step of 5
JAM72S31-xxx/MR/1500V, xxx=510-545 in step of 5
JAM66S31-xxx/MR/1500V, xxx=470-500 in step of 5
JAM60S31-xxx/MR/1500V, xxx=425-450 in step of 5
JAM54S31-xxx/MR/1500V, xxx=385-405 in step of 5
JAM78S30-xxx/MR/1500V, xxx=580 to 605 in step of 5
JAM72S17-xxx/GR/1500V, xxx=385 to 400 in step of 5
JAM78D30-xxx/MB, JAM78D30-xxx/MB/1500V,
xxx=580 to 605 in step of 5
JAM72D30-xxx/HB, JAM72D30-xxx/HB/1500V,
xxx=530 to 560 in step of 5

Maximum System Voltage: 1000 or 1500 V DC
JAM72S01-xxx/SC, xxx=320 to 365 in step of 5
JAM60S01-xxx/SC, xxx=265 to 305 in step of 5
JAM60S01-xxx/PR, xxx=285 to 325 in step of 5
JAM72S03-xxx/PR, xxx=360 to 395 in step of 5
JAM60S03-xxx/PR, xxx=300 to 330 in step of 5
JAM72S09-xxx/PR, xxx=370 to 405 in step of 5
JAM60S09-xxx/PR, xxx=310 to 335 in step of 5
JAM72S10-xxx/PR, xxx=380 to 410 in step of 5
JAM60S10-xxx/PR, xxx=315 to 345 in step of 5
JAM72S10-xxx/MR, xxx=390 to 430 in step of 5
JAM60S10-xxx/MR, xxx=325 to 355 in step of 5
JAM78S10-xxx/MR, xxx=435 to 465 in step of 5
JAM66S10-xxx/MR, xxx=345 to 390 in step of 5
JAM72S09-xxx/BP, xxx=375 to 385 in step of 5
JAM60S09-xxx/BP, xxx=315 to 320 in step of 5
JAM72S10-xxx/BP, xxx=385 to 400 in step of 5
JAM60S10-xxx/BP, xxx=320 to 330 in step of 5
JAM72S10-xxx/MB, xxx=395 to 415 in step of 5
JAM60S10-xxx/MB, xxx=330 to 345 in step of 5
JAM72S20-xxx/MR, xxx=430 to 470 in step of 5
JAM60S20-xxx/MR, xxx=355 to 390 in step of 5
JAM78S10-xxx/MR-J, xxx= 435 to 465 in step of 5
JAM72S30-xxx/MR, xxx= 510 to 555 in step of 5
JAM66S30-xxx/MR, xxx= 470 to 505 in step of 5
JAM60S30-xxx/MR, xxx= 435 to 460 in step of 5
JAM60S21-xxx/MR, xxx= 355 to 390 in step of 5
JAM54S30-xxx/MR, xxx= 390 to 415 in step of 5

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JAM68S11-xxx/PR(B), xxx= 345 to 365 in step of 5
JAM72S20-xxx/MB, xxx=450 to 465 in step of 5
JAM60S20-xxx/MB, xxx=375 to 390 in step of 5
JAM76S11-xxxPR(B), xxx=395 to 415 in step of 5
JAM78S30-xxx/GR, xxx=575 to 600 in step of 5
JAM72S30-xxx/GR, xxx=535 to 555 in step of 5
JAM66S30-xxx/GR, xxx=500 to 505 in step of 5
JAM60S30-xxx/GR, xxx=445 to 460 in step of 5
JAM54S30-xxx/GR, xxx=400 to 415 in step of 5
JAM78S31-xxx/GR, xxx=570 to 575 in step of 5
JAM72S31-xxx/GR, xxx=525 to 530 in step of 5
JAM66S31-xxx/GR, xxx=480 to 485 in step of 5
JAM60S31-xxx/GR, xxx=435 to 440 in step of 5
JAM54S31-xxx/GR, xxx=395 to 400 in step of 5
JAM72S31-xxx/MR, xxx=510-545 in step of 5
JAM66S31-xxx/MR, xxx=470-500 in step of 5
JAM60S31-xxx/MR, xxx=425-450 in step of 5
JAM54S31-xxx/MR, xxx=385-405 in step of 5
JAM72S17-xxx/MR, xxx= 390 to 430 in step of 5
JAM60S17-xxx/MR, xxx= 315 to 355 in step of 5
JAM78S30-xxx/MR, xxx=580 to 605 in step of 5
JAM72S17-xxx/GR, xxx= 385 to 400 in step of 5
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed or Frameless, with Junction box, cable and Connectors.
Fire Safety Class:	Class C or Class A according to UL790.
Safety Class:	Class II
Maximum System Voltage:	1000 V DC or 1500V DC
PID Test Condition:	±1000 V DC, 96h, 60°C, 85% RH or 96h, 85°C, 85% RH ±1500 V DC, 96h, 85°C, 85% RH

PID testing method according to IEC TS 62804-1:2015

Tested according to:

IEC 61215-1(ed.1)
IEC 61215-1-1(ed.1)
IEC 61215-2(ed.1)
IEC 61730-1(ed.2)
IEC 61730-2(ed.2)
PPP 58042B:2015

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Appendix II of RNTPC
Paper No. A/NE-KLH/639

Relevant Extracts of 'Assessment Criteria for Considering Applications for Solar Photovoltaic System made under Section 16 of the Town Planning Ordinance'

Assessment Criteria for Planning Applications

1. The following criteria should be taken into account in assessing planning applications for SPV system made under section 16 of the Town Planning Ordinance:

   a) it is a prerequisite for the applicant to obtain the 'Consent Letter' or 'Acknowledgement Letter'/'Network Reinforcement Condition Letter' (or similar confirmation letter) from The Hongkong Electric Company, Limited (HKE) and CLP Power Hong Kong Limited (CLP) respectively and submit a copy of the document together with the application to demonstrate the preliminary technical feasibility of the scheme in terms of serviceability, electrical safety and output generated by the SPV system;

   b) unless with strong justifications, the SPV system, including the height of the proposed structures, should be in keeping with the surrounding area/developments and commensurate with the function(s) it performs;

   c) for optimisation of use of land, favourable consideration may be given if viability of co-existence of the proposed SPV system and uses that are in line with the long-term planning intention of the land use zoning of the application site could be satisfactorily demonstrated;

   d) it has to be demonstrated to the satisfaction of the relevant government departments that the SPV system will not have significant adverse impacts, including but not limited to those relating to the environment, drainage, sewerage, traffic, geotechnical safety, landscape and visual[1] and, where needed, appropriate measures are to be adopted to mitigate the impacts;

[1] The applicant has to demonstrate that the proposal would not affect the visual and landscape amenities/character of the area adversely by, for instance, causing a significant change of landscape resources/character, dwarfing the surrounding developments or catching the public's visual attention due to the scale and prominence of the proposed installation. Where appropriate, measures should be taken to mitigate the visual/landscape impact, for example, by peripheral screen planting.

e) unless with strong justifications[2], proposals involving extensive site formation, vegetation clearance/tree felling, excavation or filling of land/pond or causing adverse impacts to wetland are generally not supported;

f) planning applications with proposed felling of existing Old and Valuable Trees (OVTs), potentially registrable OVTs, and trees of rare or protected species should not be supported. If tree removal is unavoidable, subject to the advice of relevant government departments, compensatory tree planting and/or landscape treatments should be provided within the application site as appropriate;

g) for SPV system falling within water gathering grounds, information should be provided to the satisfaction of the relevant government departments that the system, including its installation, maintenance and operation, will not contaminate the water supply. The SPV system should not cause material increase in pollution effect and affect yield collection within water gathering grounds;

h) where the installation is proposed to be in area close to airports and/or heliports[3], or major roads, it has to be demonstrated to the satisfaction of the relevant government departments that the SPV system should not cause glare to pilots/drivers and/or unacceptable adverse impact on aviation and/or traffic safety;

i) the planning intention of "Agriculture" ("AGR") zone is to retain and safeguard good quality agricultural farm land/fish ponds for agricultural purposes. SPV system ancillary to agricultural use would not require planning permission[4]. Planning application for stand-alone SPV system as 'PUI' use in the "AGR" zone is generally not supported except those on land with no active farming activities and low agricultural rehabilitation potential. For application on fish ponds in the "AGR" zone, the applicant has to demonstrate that the SPV system will not hinder the use of the site for fisheries purposes;

j) notwithstanding a general presumption against development in the "Green Belt" ("GB") zone, planning permission for SPV system within the "GB" zone may be

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[2] Ground-mounted SPV system is usually on steel frame or concrete plinth. It should normally not involve extensive site formation, excavation or filling of land.

[3] For installation of SPV system in area close to airports and/or heliports, the reflection rate of the SPV system with anti-reflection coating shall not exceed 5%.

[4] Installation of SPV system for generating electricity for a permitted use, such as that for a farm, green house/farm structures in the "AGR" zone mainly for generating electricity for agricultural purposes, or that installed in connection with New Territories Exempted House (NTEH) in "Village Type Development" zone, are also regarded as an ancillary use.

granted if after taking into consideration the conditions of the application site, among others, the SPV system would not adversely affect the landscape character/resources of the "GB" zone and jeopardise the integrity of the zone as a buffer and is in compliance with other assessment criteria particularly criterion (e);

k) due to the sensitive nature of the conservation zones, such as the "Conservation Area", "Coastal Protection Area" and "Site of Specific Scientific Interest" zones, planning application for SPV system within such zones is normally not supported to avoid any possible irreversible damages caused to the ecology or environment of the area within the zone;

l) all other statutory or non-statutory requirements of the relevant government departments must be met. Depending on the specific land use zoning of the application site, the relevant Town Planning Board guidelines should be observed, as appropriate; and

m) approval conditions to address the technical issues, if any, within a specified time and clauses to revoke the permission for non-compliance with approval conditions may be imposed as appropriate.

Appendix III of RNTPC
Paper No. A/NE-KLH/639

Similar Application

Approved Application

Application No.	Proposed Development	Date of Consideration
A/NE-KLH/614	Proposed Public Utility Installation (Solar Photovoltaic System)	25.11.2022

Recommended Advisory Clauses

(a) to note the comments of the Secretary for the Environment and Ecology (SEE) that the applicant is further reminded to observe the relevant requirements as set forth in statutory provisions and various design and maintenance guidelines, and conduct regular inspections and check-ups in order to ensure the electrical and structural safety as well as resilience of solar panels amid the impact of extreme weather conditions (such as super typhoons) throughout their lifespan.

(b) to note the comments of the District Lands Officer/Tai Po, Lands Department (DLO/TP, LandsD) that:

(i) the applicant is required to submit application for Short Term Waiver (STW) to LandsD if he wishes to erect proposed structures with solar panels atop on the Site. LandsD will consider the STW applications in accordance with the established procedures and guidelines. However, there is no guarantee at this stage that the STW application would be approved. If the STW application is approved by LandsD acting in the capacity as landlord at its sole discretion, such approval will be subject to such terms and conditions as may be imposed by LandsD including the payment of rental, waiver fee and administrative fee as considered appropriate; and

(ii) the applicant will likely make use of the adjoining unleased / unallocated Government land as vehicles access to and from the Site. The maintenance and management responsibility of the said Government land and any other Government land leading to the Site should be sorted out with the relevant Government departments, prior to the use of access purpose. Moreover. access to the Site may also fall on adjoining private lots all in D.D. 7. The applicant should sort out the relevant issues with the lots owners concerned.

(c) to note the comments of the Director of Environmental Protection (DEP) that the applicant is reminded to strictly comply with relevant pollution control ordinances including Waste Disposal Ordinance and Water Pollution Control Ordinance and to implement appropriate pollution control measures to minimize any potential environmental impacts during construction. Reference could be made to the relevant publications/guidelines including the "Recommended Pollution Control Clauses for Construction Contracts" and "Professional Persons Environmental Consultative Committee (ProPECC) Practice Notes No. 2/23 - Construction Site Drainage".

(d) to note the comments of the Chief Engineer/Construction, Water Supplies Department (CE/C, WSD) that should pollution be detected in future due to the proposed use, immediate remedial action to clear the pollution must be taken by the grantee.

(e) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) that:

(i) the applicant should have its own stormwater collection and discharge system to cater for the runoff generated within the Site and overland flow from

surrounding of the Site, e.g. surface channel of sufficient size along the perimeter of the Site; sufficient openings should be provided at the bottom of the boundary wall/fence to allow surface runoff to pass through the Site if any boundary wall/fence are to be erected. Any existing flow path affected should be re-provided. The applicant should neither obstruct overland flow nor adversely affect the existing natural streams, village drains, ditches and the adjacent areas;

(ii) the applicant is required to maintain the drainage systems properly and rectify/modify the nearby existing/original drainage system if they are found to be inadequate or ineffective to accommodate the additional runoff arisen from the development of the Site. The applicant shall also be liable for and shall indemnify claims and demands arising out of damage or nuisance caused by failure or ineffectiveness of the modified drainage systems caused by their works;

(iii) the runoff within the Site including the runoff from the rooftop shall be served by a designated stormwater collection and discharge system and shall not be drained to the public sewerage network;

(iv) in the case that there is any sewage discharge from the application, DSD's maintained public sewers exist in the vicinity but the feasibility of sewerage connection is subject to the invert level of discharge connection pipe leading from the Site. The applicant shall demonstrate the technical feasibility of sewerage connection. Should the applicant choose to dispose of the sewage of the proposed development through other means, views and comments from Environmental Protection Department should be sought;

(v) the applicant shall resolve any conflict / disagreement with relevant lot owner(s) and seek LandsD's permission for laying new drains/channels and/or modifying/upgrading existing ones in other private lots or on Government land (where required) outside the Site; and

(vi) the cost and work of drainage and sewerage connection as well as future maintenance responsibility shall be borne by the applicant.

(f) to note the comments of the Director of Fire Services (D of FS) that the applicant is advised to observe the Electrical and Mechanical Services Department (EMSD)'s relevant Guidance Notes for Solar Photovoltaic System Installation.

(g) to note the comments of the Chief Building Surveyor/New Territories West, Building Department (CBS/NTW, BD) that:

(i) the Site shall be provided with means of obtaining access thereto from a street and emergency vehicular access in accordance with Regulation 5 and 41D of the Building (Planning) Regulation (B(P)) respectively;

(ii) the Site does not abut on a specified street of not less than 4.5m wide and its permitted development intensity shall be determined under Regulation 19(3) of the B(P)R at building plan submission stage;

(iii) if the existing structures are erected on leased land without the approval of BA, they are unauthorized building works (UBW) under Buildings Ordinance (BO) and should not be designated for any proposed use under the application;

(iv) for UBW erected on leased land, enforcement action may be taken by BD to effect their removal in accordance with the prevailing enforcement policy against UBW as and when necessary. The granting of any planning approval should not be constructed as an acceptance of any existing building works or UBW on the Site under BO;

(v) before any new building works (including containers/open sheds as temporary buildings) are to be carried out on the Site, prior approval and consent of BD should be obtained, otherwise they are UBW. An Authorized Person (AP) should be appointed as the coordinator for the proposed building works in accordance with BO;

(vi) any temporary shelters or converted containers for office, storage, washroom or other uses are considered as temporary buildings are subject to the control of Part VII of the B(P)R; and

(vii) detailed checking under the BO will be carried out at building plan submission stage.

(h) to note the comments of the Director of Electricity of Mechanical Services that:

Electricity Safety

(i) the interests of public safety and ensuring the continuity of electricity supply, the parties concerned with planning, designing, organizing and supervising any activity near the underground cable or overhead line under the mentioned document should approach the electricity supplier (i.e. CLP Power) for the requisition of cable plans (and overhead line alignment drawings, where applicable) to find out whether there is any underground cable and/or overhead line within and/or in the vicinity of the Site;

(ii) the applicant is reminded to observe the Electricity Supply Lines (Protection) Regulation and the "Code of Practice on Working near Electricity Supply Lines" established under the Regulation when carrying out works in the vicinity of the electricity supply lines;

(iii) there are also potential electrical hazards arising from the damage of underground cables of the proponent's solar photovoltaic system, by third party, within or in the vicinity of the Site. The proponent should review in subsequent stages (design, construction, operation) that any precautionary measures necessary to be implemented to mitigate potential electrical hazards arising from third party damage to the cables, if underground and as part of proponent's solar photovoltaic system;

(iv) electrical work on fixed electrical installation shall be conducted by the Registered Electrical Contractors (REC) and the Registered Electrical Workers (REW) with all the involved electrical work fully comply with the requirements stipulated under the Electricity Ordinance (Cap 406) and its subsidiary regulations. Regarding renewable energy power system, your attention is drawn to the requirements stipulated under Code 26P of the Code of Practice for the Electricity (Wiring) Regulations (2020 Edition);

Town Gas Safety

(v) there are high pressure underground town gas transmission pipeline running along Tai Wo Service Road West and Fanling Highway, The project proponent/ consultant/works contractor shall liaise with The Hong Kong and China Gas Company Limited in respect of the exact locations of existing or planned gas pipes/gas installations in the vicinity of the works site and any required minimum set back distance away from them during the design and construction stages of development; and

(vi) the project proponent/consultant/works contractor is required to observe the Electrical and Mechanical Services Department's requirements on the "Avoidance of Damage to Gas Pipes 2nd Edition" for reference.

☐ Urgent ☐ Return Receipt Requested ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&publi

A/NE-KLH/639 DD 7 Wai Tau Tsuen Solar Farm FiT
13/02/2024 02:46

From:
To: "tpbpd" <tpbpd@pland.gov.hk>
Sent by: tpbpd@pland.gov.hk
File Ref:

A/NE-KLH/639

Lot 1005 in D.D. 7, Wai Tau Tsuen, Tai Po

Site area: About 346sq.m

Zoning: "VTD"

Applied use: 74 Solar Photovoltaic System

Dear TPB Members,

Strong Objections.

While FiT was promoted in 'V' zone, the intention was that they be erected on roof tops of village houses for domestic use.

CLP customers were never consulted and never agreed to this type of commercialization whereby they effectively bear additional costs for the generation of electricity.

The lot is surrounded by residences. What impact does the glare and reflection have on nearby residents? Are there any issues on the lines of those related to telcom towers?

Members questions please.

Mary Mulvihill