

CERTIFICATE OF CONFORMITY

Certificate No.: LC15848-4

Date Issued: February 3, 2023

Project No.: LV-15848

Certification System: Type 3
(ISO/IEC 17067)

Client No.: LC1235165

Applicant: Philadelphia Solar
Al Qastal Industrial Area 2
Airfreight Road
11814 Amman, Jordan



Issued by: 
Certification Manager

Products:

- Photovoltaic Modules
- Model Nos.:
 - PS-M108(HC)-xxxW (xxx = 370-440)
 - PS-M120(HC)-xxxW (xxx = 405-490)
 - PS-M132(HC)-xxxW (xxx = 450-540)
 - PS-M144(HC)-xxxW (xxx = 490-590)
 - PS-M156(HC)-xxxW (xxx = 530-640)
 - All models listed above have half-cut monocrystalline-Si cells
 - Electrical ratings below are provided at Standard Test Conditions (STC), 1000 W/m² (front side only), AM 1.5 spectrum, 25°C cell temperature
- Ratings:

| | PS-M108 (HC)-xxxW | PS-M120 (HC)-xxxW | PS-M132 (HC)-xxxW | PS-M144 (HC)-xxxW | PS-M156 (HC)-xxxW |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| Module Technology | mono-Si | mono-Si | mono-Si | mono-Si | mono-Si |
| Maximum Power Range (W) | 370-440 | 405-490 | 450-540 | 490-590 | 530-640 |
| Number of Cells: | 108 | 120 | 132 | 144 | 156 |
| Rated Short-circuit Current Range, Isc (A) | 13.23-14.17 | 13.18-14.2 | 13.2-14.2 | 13.2-14.2 | 13.2-14.2 |
| Rated Open-circuit Voltage Range (V) | 35.1-39.6 | 39.0-44.0 | 42.9-48.4 | 46.8-52.8 | 50.7-57.2 |
| Rated Current at Pmax Range | 12.39-13.32 | 12.34-13.36 | 12.36-13.36 | 12.36-13.36 | 12.36-13.36 |

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The 'C' and 'US' indicators adjacent to the LabTest Certification Mark shall signify that the product has been evaluated by an accredited laboratory to the applicable Canadian and US Standards. The subject area shall be displayed with the LabTest Certification Mark to identify the Standard Number, and Revision Level.

| | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|
| (A) | | | | | |
| Rated Voltage at Pmax Range (V) | 29.25-33.75 | 35.5-37.5 | 35.75-41.25 | 39.0-45.0 | 42.25-48.75 |
| Dimensions (l x w x h) [mm]: | 1724x1134x35 | 1905x1134x35 | 2100x1134x35 | 2279x1134x35 | 2470x1134x35 |
| Module Area (m ²) | 1.95 | 2.16 | 2.38 | 2.59 | 2.80 |
| Maximum System Operating Voltage (V) | 1500 | 1500 | 1500 | 1500 | 1500 |
| Maximum Over-current Protection Rating (A) | 25 | 25 | 25 | 25 | 25 |
| Safety Application Class | II | II | II | II | II |
| Fire Safety Class | C | C | C | C | C |
| Fire Classification Type | Type 1 | Type 1 | Type 1 | Type 1 | Type 1 |
| Maximum Operating Altitude | ≤2000 m | ≤2000 m | ≤2000 m | ≤2000 m | ≤2000 m |
| Note: Electrical ratings are provided at Standard Test Conditions (STC), 1000 W/m ² (front side only), AM 1.5 spectrum, 25°C cell temperature. | | | | | |

Applicable requirements:

- CSA C22.2 No. 61730-1:2019
- CSA C22.2 No. 61730-2:2019
- CAN/CSA-IEC 61215-1:2018
- CAN/CSA-IEC 61215-1-1:2018

Conditions of acceptability:

- Maximum System Voltage: 1500 VDC

General Note:

- Refer to LC Listing Report no.10.02.15848-4_Rev0