

# CERTIFICATE OF CONFORMITY

**Certificate No.:** LC15848-5

**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(HCBF)-xxxW (xxx = 370-440)
  - PS-M120(HCBF)-xxxW (xxx = 405-490)
  - PS-M132(HCBF)-xxxW (xxx = 450-540)
  - PS-M144(HCBF)-xxxW (xxx = 490-590)
  - PS-M156(HCBF)-xxxW (xxx = 530-640)
  - All models listed above have half-cut monocrystalline-Si bifacial cells with transparent backsheets
  - Electrical ratings below are provided at Standard Test Conditions (STC), 1000 W/m<sup>2</sup> (front side only), AM 1.5 spectrum, 25°C cell temperature
- Ratings:

	<b>PS-M108 (HCBF)-xxxW</b>	<b>PS-M120 (HCBF)-xxxW</b>	<b>PS-M132 (HCBF)-xxxW</b>	<b>PS-M144 (HCBF)-xxxW</b>	<b>PS-M156 (HCBF)-xxxW</b>
Module Technology	Bifacial mono-Si	Bifacial mono-Si	Bifacial mono-Si	Bifacial mono-Si	Bifacial 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, I <sub>sc</sub> (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	35.1-39.6	39.0-44.0	42.9-48.4	46.8-52.8	50.7-57.2

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.

Range (V)					
Rated Current at Pmax Range (A)	12.39-13.32	12.34-13.36	12.36-13.36	12.36-13.36	12.36-13.36
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 <sup>2</sup> )	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 7	Type 7	Type 7	Type 7	Type 7
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 <sup>2</sup> (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.10.02.15848-5\_Rev0

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