

PRODUCT PS-P60 (BLACK)

MULTI-CRYSTALLINE MODULE

(230/235/240/245/250)W



Philadelphia
Solar
Delivering Clean Energy Solutions

PHILADELPHIA SOLAR MODULES

Philadelphia Multi-crystalline solar modules with maximum power of (250 Wp) are produced using the state-of-the-art (Automated) robotic production lines. These modules are suitable to be used for most electrical power applications and have excellent durability to prevailing weather conditions.

FEATURES

-  Optimum Maximum Conversion Efficiency.
-  Positive Power Tolerance Up To 3% extra output
-  High Transparency - Anti - Soiling Surface Reduce Power Loss From Dirt And Dust .
-  Produced Under Systematic Quality Control Covering All Processes And Check Points.
-  Fast and Easy Installation.
-  Anodized Aluminum Frame for better corrosion resistance.
-  Excellent wide variety of solar output modules.
-  Excellent Mechanical Loads, Certified To Withstand High Wind Loads (2400 pa) And Snow Loads (5400 pa)
-  100 % EL (Electroluminescence) inspection.



BENEFITS

- Outstanding technical Support.
- After Sales-Service.
- 10 Years Warranty on material and workmanship .
- 25 Years Linear Performance Warranty.
- Marketing Support To Official Distributors.
- Customized mounting solutions.

APPLICATIONS



W a r r a n t y

Linear Performance Warranty



AMMAN - JORDAN

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(230/235/240/245/250)W

MECHANICAL CHARACTERISTICS

MODULE COMPONENTS	VALUES
Solar Cells per Module	60 (6 x 10) in series
Cell Type	Grade "A" - Multi-crystalline silicon, 156 x 156 mm ²
Front Surface	Anti-soiling surface Low Iron Tempered 3.2mm Solar Glass
Encapsulant	Fastcure EVA
Back Cover	Backsheet
Frame Material	Anodized
Connection	IP65 Junction Box
Number of diodes	3 Bypass diodes
Output Cables	Solar Cable with MC4 interconnection

TEMPERATURE CHARACTERISTICS

CHARACTERISTICS	UNIT	VALUES
Voc Temperature Coefficient	%/°C	-0.33
ISC Temperature Coefficient	%/°C	0.058
Power Temperature Coefficient	%/°C	-0.43
Operating Module Temperature	°C	-40 TO +85
NOCT	°C	46
Fire Classification		C

* Temperature Coefficient May Vary $\pm 3\%$

ELECTRICAL CHARACTERISTICS

STC	UNITS	230W	235W	240W	245W	250W
Maximum System Voltage	Vdc	1000	1000	1000	1000	1000
Open Circuit Voltage (Voc)	Voc	36.92	37.22	37.34	37.5	37.66
Short Circuit Current (Isc)	Isc	8.3	8.66	8.8	8.86	8.92
Rated voltage @ maximum power	Vmpp	29.12	29.34	29.38	29.59	29.94
Rated current @ maximum power	Impp	7.9	8.01	8.17	8.28	8.35
Rated Maximum Power @ STC	PMAX	230	235	240	245	250
Maximum Series Fuse	[A]	15	15	15	15	15
Module Efficiency (%)	η'	14.1	14.4	14.6	14.9	15.3

STC: Irradiance 1000 w/m², AM : 1.5, T °C : 25 °C

WARRANTY	VALUES
Power Output	12 Years 90% of Minimum Power Output 25 Years 80% of Minimum Power Output
Product	10 Years

PACKAGING

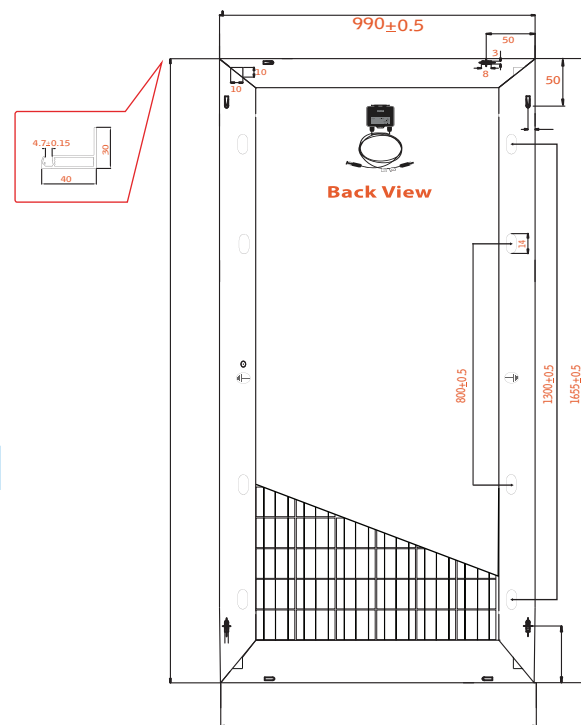
Container Capacity	20 Feet (300) Panels 40 Feet (700) Panels	Each Pallet contains (25) Modules
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CONTACT US

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AMMAN - JORDAN
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PV MODULE



● DIMENSIONS ARE IN MM .

DIMENSIONS AND WEIGHT

DIMENSIONS AND WEIGHT	VALUES
Dimensions [mm]	1655 x 990 x 40
Weight [kg]	~ 18.5
Pallet Dimensions [mm]	1698 x 1138 x 1090

IV - CURVE

