

# PRODUCT PS-M60 (BLACK)

## MONO-CRYSTALLINE MODULE

### (250/255/260/265)



#### PHILADELPHIA SOLAR MODULES

Philadelphia mono-crystalline solar modules with maximum power of ( 265 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.

## W a r r a n t y

### Linear Performance Warranty



#### APPLICATIONS



AMMAN - JORDAN

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## MONO-CRYSTALLINE MODULE

### (250/255/260/265) W

#### MECHANICAL CHARACTERISTICS

MODULE COMPONENTS	VALUES
Solar Cells per Module	60 ( 6 x 10 ) in series
Cell Type	Grade "A" - Mono-crystalline silicon, 156 x 156 mm <sup>2</sup>
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	-0.34
ISC Temperature Coefficient	%/°C	0.049
Power Temperature Coefficient	%/°C	-0.41
Operating Module Temperature	°C	-40 TO + 85
NOCT	°C	46
Fire Classification		C

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

#### ELECTRICAL CHARACTERISTICS

CHARACTERISTICS (STC)	UNITS	250	255	260	265
Maximum System Voltage	V <sub>dc</sub>	1000	1000	1000	1000
Open Circuit Voltage ( Voc )	V <sub>oc</sub>	37.72	37.9	38.08	38.26
Short Circuit Current ( I <sub>sc</sub> )	I <sub>sc</sub>	8.76	8.84	8.92	9
Rated voltage @ maximum power	V <sub>mpp</sub>	30.31	30.58	30.81	31.11
Rated current @ maximum power	I <sub>mp</sub>	8.25	8.34	8.44	8.52
Rated Maximum Power @ STC	P <sub>MAX</sub>	250	255	260	265
Maximum Series Fuse	[A]	15	15	15	15
Module Efficiency ( % )	η'	15.3	15.6	15.9	16.2

STC: Irradiance 1000 w/m , AM : 1.5 , T<sub>c</sub> : 25 °C

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

#### PACKAGING

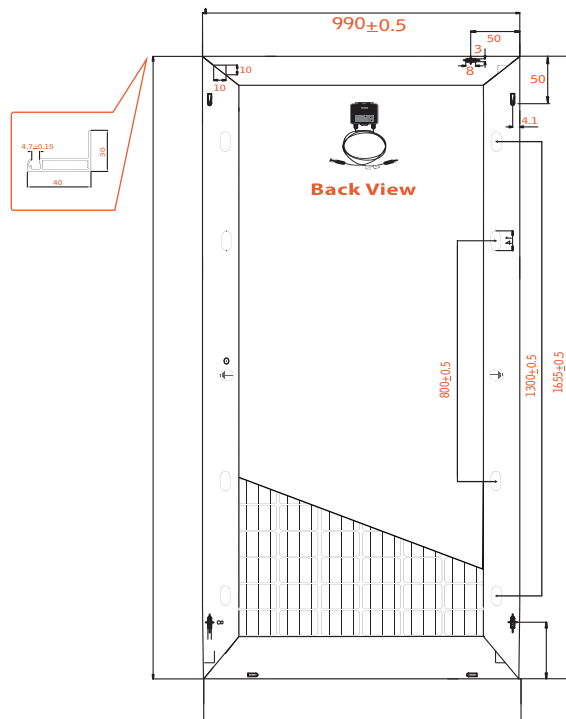
Container Capacity	20 Feet (300) Panels	Each Pallet contains (25) Modules
	40 Feet (700) Panels	

#### CONTACT US

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 Website : [www.philadelphia-solar.com](http://www.philadelphia-solar.com)

#### 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]	1698x1138 x 1090

#### IV - CURVE

