

# PRODUCT PS-M60

## MONO-CRYSTALLINE MODULE

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



**Philadelphia**  
**Solar**  
Delivering Clean Energy Solutions

#### 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.

#### APPLICATIONS



On-grid residential roof-tops



On-grid commercial/ industrial roof-tops



Solar Power plants



Off-Grid Systems

## W a r r a n t y

### Linear Performance Warranty



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#### MECHANICAL CHARACTERISTICS

| MODULE COMPONENTS      | VALUES                                                   |
|------------------------|----------------------------------------------------------|
| Solar Cells per Module | 60 (6 x10 ) in series                                    |
| Cell Type              | Grade "A" - Mono-crystalline silicon, 156 x 156 mm2      |
| 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        | Vdc    | 1000  | 1000  | 1000  | 1000  |
| Open Circuit Voltage ( Voc )  | Voc    | 37.72 | 37.9  | 38.08 | 38.26 |
| Short Circuit Current ( Isc ) | Isc    | 8.76  | 8.84  | 8.92  | 9     |
| Rated voltage @ maximum power | Vmpp   | 30.31 | 30.58 | 30.81 | 31.11 |
| Rated current @ maximum power | Impp   | 8.25  | 8.34  | 8.44  | 8.52  |
| Rated Maximum Power @ STC     | PMAX   | 250   | 255   | 260   | 265   |
| Maximum Series Fuse           | [A]    | 15    | 15    | 15    | 15    |
| Module Efficiency ( % )       | $\eta$ | 15.3  | 15.6  | 15.9  | 16.2  |

STC: Irradiance 1000 w/m<sup>2</sup>, AM : 1.5, T °C : 25 °C

| WARRANTY     | VALUES                                                                       |
|--------------|------------------------------------------------------------------------------|
| Power Output | 12 Years 90% of Minimum Power Output<br>25 Years 80% of Minimum Power Output |
| Product      | 10 Years                                                                     |

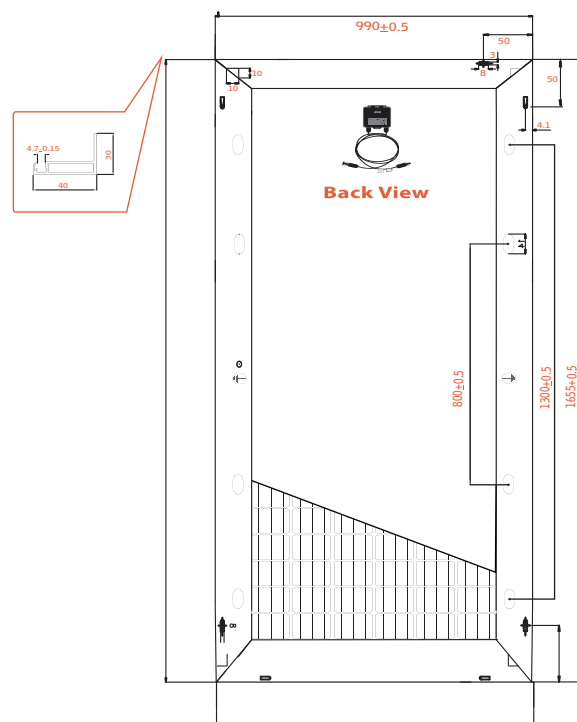
| PACKAGING          |                                              |
|--------------------|----------------------------------------------|
| Container Capacity | 20 Feet (300) Panels<br>40 Feet (700) Panels |
|                    | Each Pallet contains (25) Modules            |

#### 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] | 1698x1138 x 1090 |

#### IV - CURVE

