

PRODUCT PS-P60 (BLACK)

MULTI-CRYSTALLINE MODULE

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



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.

W a r r a n t y

Linear Performance Warranty



APPLICATIONS



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 ± 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 | Imp | 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 |

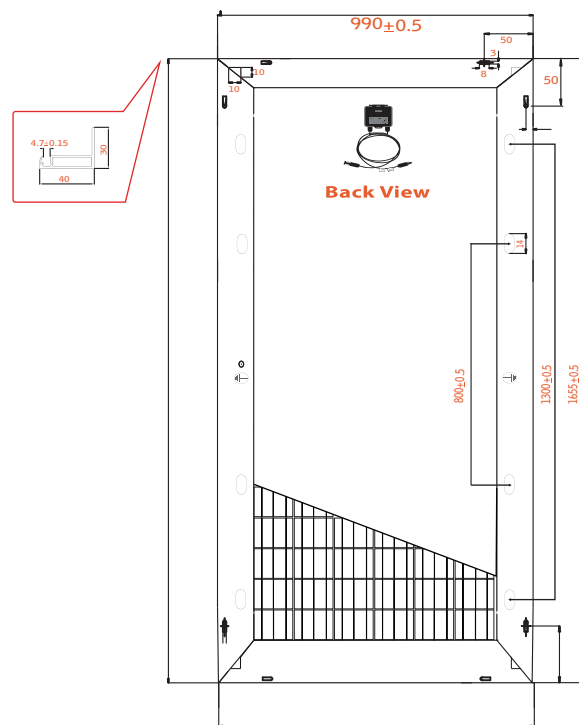
| PACKAGING | |
|--------------------|---|
| Container Capacity | 20 Feet (300) Panels 40 Feet (700) Panels Each Pallet contains (25) Modules |

CONTACT US

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 Email: Sales@philadelphia-solar.com Fax: +96264716602

AMMAN - JORDAN
 Website : www.philadelphia-solar.com

PV MODULE



● DIMENSIONS ARE IN MM .

| 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

