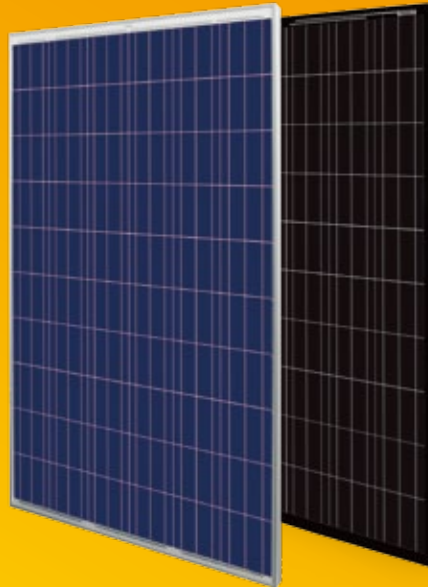


OPXXX-P/60 Series Polycrystalline Solar Module

OMNIS photovoltaic Modules are constructed with high efficient solar cells and produce higher output per module than others in its class. This industrial grade module is an industry standard among various industry professionals.



OPXXX-P-B
Black Frame

OPXXX-P-BB
Black Frame & Black Backsheet



GLASS

- High light transmission giving more electricity
- Excellent mechanical loading performance (5400 Pascal)
- SPF-UL certified

EVA

- High light transmission assuring better power performance
- High GEL and peeling strength guarantying strong encapsulation
- Good ultraviolet aging resistance
- TUV/UL certified

CELL

- Excellent efficiency and long term reliability
- Good performance under high temperature and low irradiance conditions
- 100% In-Line Electroluminescence(EL)
- Positive tolerance for each panel
- TUV/UL

BACKSHEET

- TEDLAR based encapsulation and protection
- Good aging resistance guarantying strong durability performance
- Excellent adhesion and ultraviolet stability
- TUV/UL certified

FRAME

- Anodized/Electrophoretic aluminum means durable protection from environment
- Unique designed profile ensuring strong mechanical loading performance
- Silver/Black color available

JUNCTION BOX

- Reliable by-pass diodes assuring good product protection
- Looking connector working compatible worldwide
- Excellent heat emission performance
- IP65 or IP67 protection
- TUV/UL certified

Electrical Characteristics

| Module Type | OP250-P | OP255-P | OP260-P | OP265-P | OP270-P |
|--------------------------------|---------|---------|---------|---------|---------|
| Rated Power at STC (Pmp) | W 250 | 255 | 260 | 265 | 270 |
| Power Tolerance | W | 0 - +5W | | | |
| Module Efficiency (η_m) | % 17.2 | 17.5 | 17.8 | 18.2 | 18.6 |
| Open Circuit Voltage (Voc) | V 37.68 | 37.88 | 38.10 | 38.10 | 38.16 |
| Short Circuit Current (Isc) | A 8.68 | 8.81 | 8.91 | 9.00 | 9.04 |
| Maximum Power Voltage (Vmp) | V 30.36 | 30.62 | 30.87 | 30.99 | 30.99 |
| Maximum Power Current (Imp) | A 8.24 | 8.33 | 8.43 | 8.56 | 8.72 |
| Maximum System Voltage | V | 1000 | | | |
| Maximum Series Fuse Rating | A | 10 | | | |

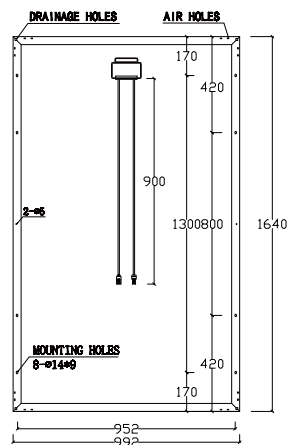
Temperature Characteristics

| | | |
|---|-----|---------|
| Pmax Temperature Coefficient | %/C | -0.45 |
| Voc Temperature Coefficient | %/C | -0.33 |
| Isc Temperature Coefficient | %/C | +0.06 |
| Operating Temperature | C | -45~+80 |
| Nominal Operating Cell Temperature (NOCT) | C | 45±2 |

Mechanical Specifications

| | |
|-----------------------|---------------------------------------|
| Module Dimensions | 1640 × 992 × 40 mm |
| Weight | 18.8KG |
| Solar Cells | Poly156 × 156 mm (60pcs) |
| Front glass | 3.2mm Tempered Glass |
| Frame | Silver/Black Anodized aluminium alloy |
| Junction Box | IP65/IP67 |
| Output Cables | 4mm ² , 1000mm |
| Connector | MC4 or MC4 Compatible |
| Maximum Snow Load | 550kg/m ² |
| Maximum Wind Load | 200km/h |
| Hailstone Impact Test | 80km/h for 25mm ice ball |

Engineering (Back Side)



Current-Voltage & Power-Voltage Curve

