

## PWM-150W/M6X-150

## PWM-160W/M6X-160

## PWM-165W/M6X-165

### Electrical Data

| MONO                          | PWM-150W | PWM-160W | PWM-165W |
|-------------------------------|----------|----------|----------|
| Nominal peak power [Pmax]     | 150Wp    | 160Wp    | 165Wp    |
| Maximum power voltage [Vmp]   | 29.4V    | 30.7V    | 31.1V    |
| Maximum power current [Imp]   | 5.10A    | 5.22A    | 5.31A    |
| Short-circuit current [Isc]   | 5.43A    | 5.5A     | 5.56A    |
| Open-circuit voltage [Voc]    | 36.49V   | 38.05V   | 38.4V    |
| Optimized cell efficiency [η] | 16.6%    | 17.8%    | 18.4%    |

Power Tolerance: ±3%

### Limits

|                        |                |
|------------------------|----------------|
| Operating temperature  | -40°C to +85°C |
| Maximum system voltage | 1000VDC        |

### Temperature and Coefficients

| NOCT                            | 48°C ±2°C |       |
|---------------------------------|-----------|-------|
| Current temperature coefficient | %/°C      | 0.037 |
| Voltage temperature coefficient | %/°C      | -0.34 |
| Power temperature coefficient   | %/°C      | -0.48 |

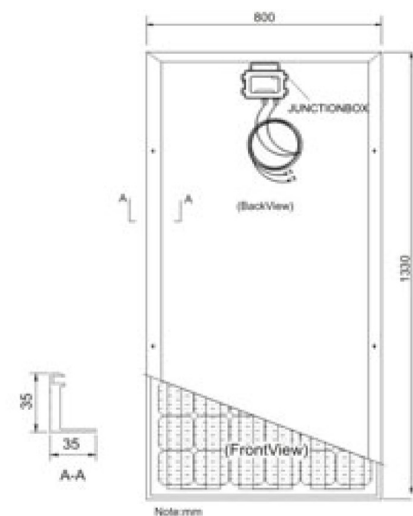
NOCT: Nominal Operation Cell Temperature

### Additional Data

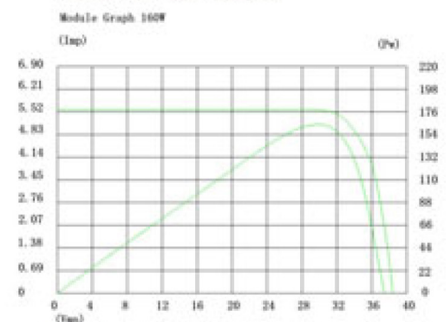
|  |   |              |
|--|---|--------------|
| Number of cells and type of connection | 60, serial connection                             |              |
| Dimensions                             | Length: 1330 mm<br>Width: 800 mm<br>Height: 35 mm |              |
| Net Weight                             | 12.4 kgs/pc                                       |              |
| Gross Weight                           | 378kgs/ctn(28pcs/ctn) 27.7kgs/ctn(2pcs/ctn)       |              |
| Package Dimension                      | 1385x1140x948mm 1348x830x88mm                     |              |
| Container Loading                      | 992PCS/40'GP                                      | 62PCS/PALLET |
|  | 496PCS/20'GP                                      | 62PCS/PALLET |

STC: Irradiance of 1000W/m<sup>2</sup>, Air Mass of 1.5, Cell Temperature of 25°C

|  |  |
|--|--|
| Guaranteed Power Output<br>Warranted Tolerance : ±5% | 15 years: 90% of its nominal power rating  |
|  | 25 years: 80% of its nominal power rating  |
| Impact Resistance                                    | Can bear the force that is generated by one 227g steel ball fall down from 1m height |
| Warranty Period                                      | 10 years: Materials and workmanship defects  |
| Certificates   | CE, ISO, IEC61215&61730(TUV), UL1703/CSA, MCS  |
| Cells  | Monocrystalline silicon photovoltaic cell  |



### Characteristics



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