



OSO60-156M Series

MONOCRYSTALLINE PERC MODULE

OSO60-156M-300W, 305W, 310W, 315W

KEY FEATURES

300-315 PEAK
POWER WATT

UP TO 19.55% MODULE
EFFICIENCY

60 CELLS MONOCRYSTALLINE
MODULES

DESIGNED FOR IEC DC 1500V
APPLICATIONS

CERTIFIED TO WITHSTAND
INCREASED LOADS OF UP TO 5400PA

EXCELLENT TEMPERATURE COEFFICIENT
PROVIDING HIGHER YIELDS

WARRANTY

12 YEAR
PRODUCT WARRANTY

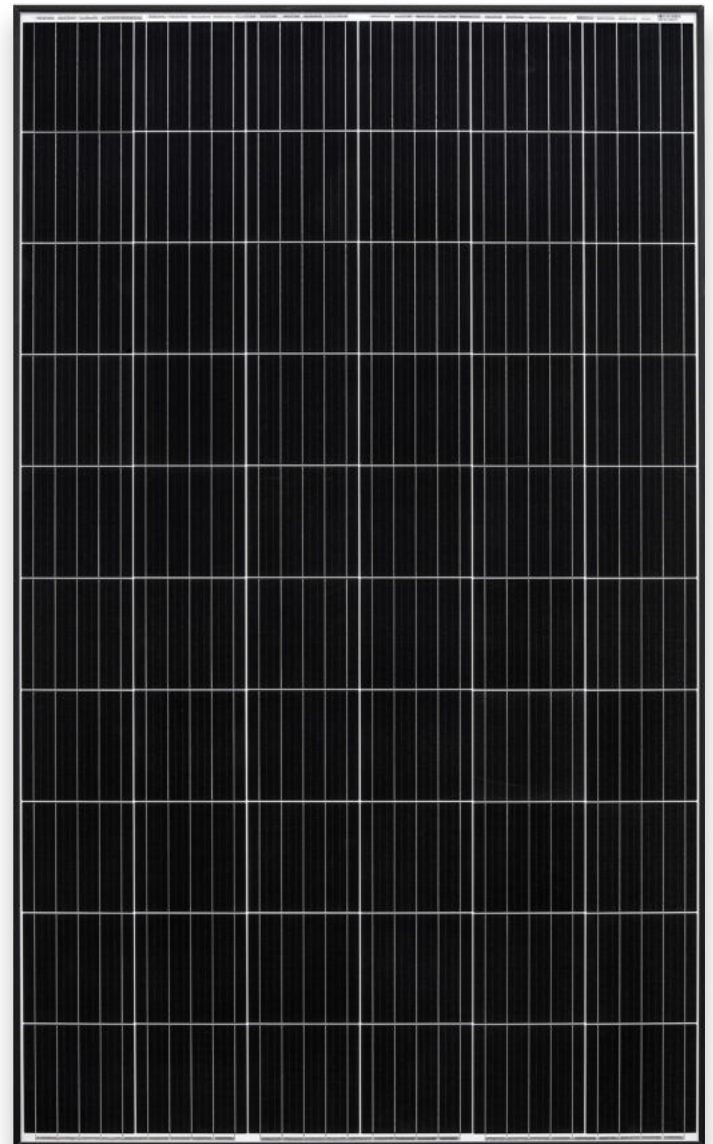
25 YEAR
PERFORMANCE WARRANTY

MODEL NUMBERS

OSO60-156M-300W, OSO60-156M-310W,
OSO60-156M-305W, OSO60-156M-315W.

OpalSolar

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ABOUT

OPAL Solar is a premium product on the basis of the local support, independent quality control, independent factory acceptance testing and technical support in Australia.

OPAL Solar is locally supported through Solar Juice Pty Ltd, the leading supplier of PV products in the Australian market. You can be assured that it is a trusted brand that does not compromise on quality.

The panels are produced by ISO 9001 and ISO 14001 certified production facilities. Back to back warranty agreements are in place to provide peace of mind.

CERTIFICATION

Certificates

IEC 61215: 2016
IEC 61730: 2016

Certificate Holder

Solar Juice Pty Ltd



Manufacturing Under

ISO 9001: 2015: Quality management systems
ISO 14001: 2015: Environmental management systems

| MECHANICAL DATA | |
|-------------------|---|
| Solar cells | Monocrystalline 158.75 x 158.75 mm |
| Cell orientation | 60 cells (6 x 10) |
| Module dimensions | 1650 x 992 x 40/35mm or 1665 x 1002 x 40/35mm |
| Weight | 18.5 /17.5Kg or 20.1/19Kg |
| Glass | 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass |
| Frame | Silver & black anodized aluminium alloy |
| Backsheet | White |
| J-Box | IP67 rated (3 diodes) |
| Glass | Photovoltaic Technology cable 4.0mm ² 1000 mm or Customized Length |
| Connector | MC4 or MC4 Compatible |

| TEMPERATURE RATINGS | |
|---|-------------|
| Nominal Operating Cell Temperature (NOCT) | 44°C (±2°C) |
| Temperature Coefficient of P _{MAX} | - 0.41 %/°C |
| Temperature Coefficient of V _{OC} | - 0.31 %/°C |
| Temperature Coefficient of I _{SC} | 0.05 %/°C |

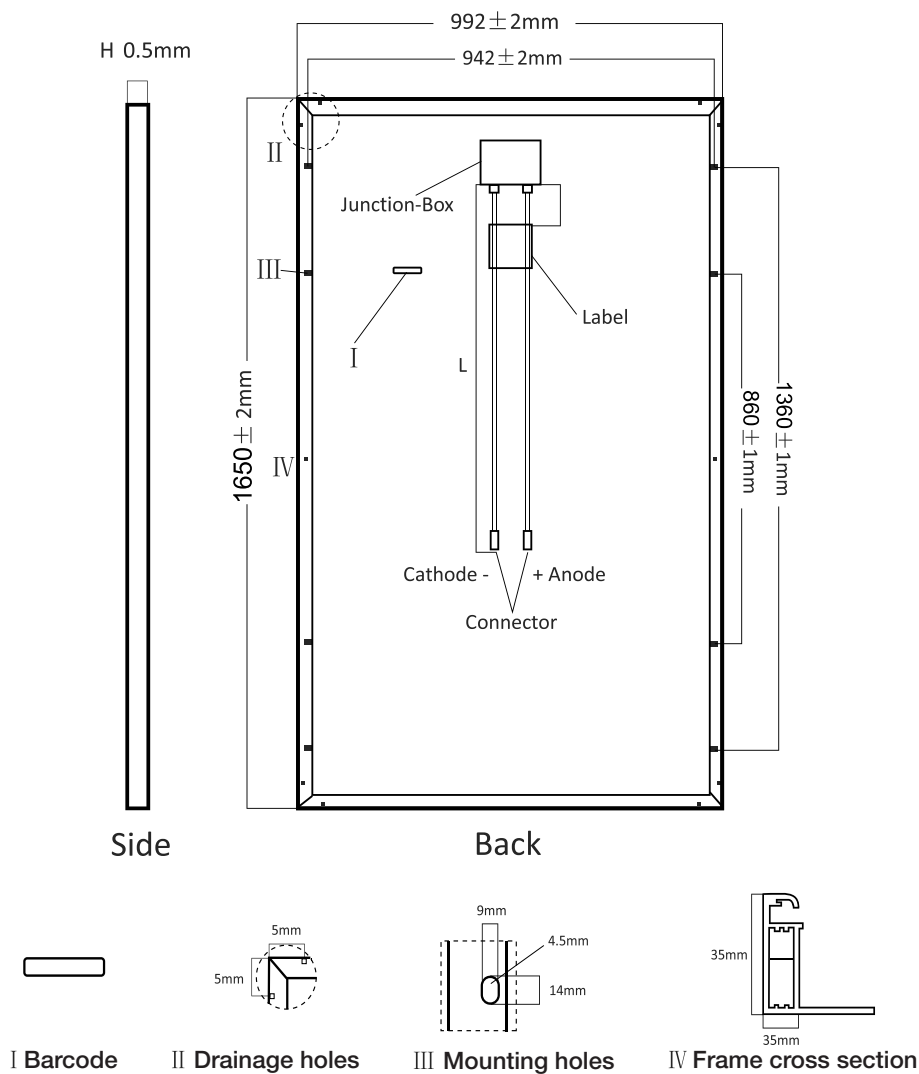
| ELECTRICAL DATA (STC) | | | | | |
|---|-------------|-------|-------|-------|-------|
| Peak Power Watts-P _{MAX} (Wp) | 300 | 305 | 310 | 315 | 320 |
| Power Output Tolerance-P _{MAX} (W) | ±3% (0~+5W) | | | | |
| Maximum Power Voltage-V _{MPP} (V) | 32.60 | 32.80 | 33.00 | 33.20 | 33.40 |
| Maximum Power Current-Impp (A) | 9.20 | 9.30 | 9.39 | 9.49 | 9.58 |
| Open Circuit Voltage-V _{oc} (V) | 40.10 | 40.30 | 40.50 | 40.70 | 40.90 |
| Short Circuit Current-Isc (A) | 9.74 | 9.83 | 9.92 | 10.02 | 10.11 |
| Module Efficiency η _m (%) | 18.33 | 18.63 | 18.94 | 19.24 | 19.55 |
| Open Circuit Voltage Tolerance | ±2% | | | | |
| Short Circuit Current Tolerance | ±4% | | | | |
| STC:Irradiance 1000 W/m ² , Cell Temperature 25°C, Air Mass AM1.5. | | | | | |

| PACKAGING | |
|-----------------------------------|----------------|
| Standard packaging | 30 pcs /pallet |
| Module quantity per 20' container | 360 pcs |
| Module quantity per 40' container | 840 pcs |

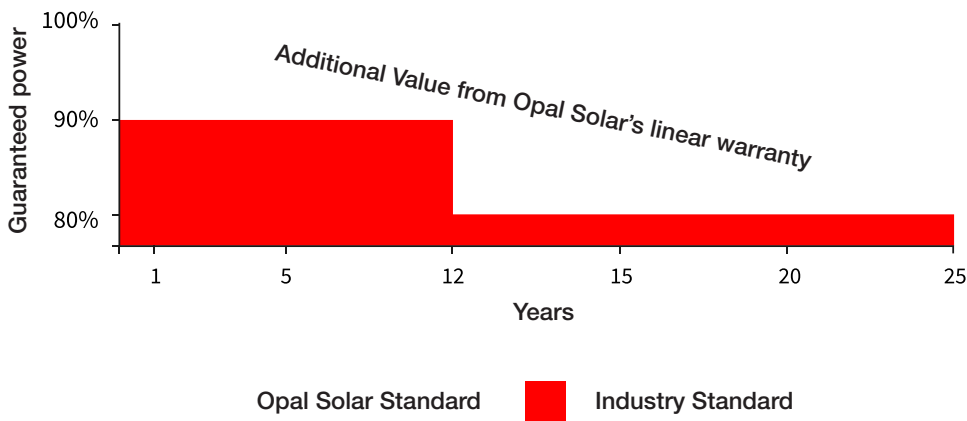
| MAXIMUM RATINGS | |
|-------------------------|---------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500VDC (IEC) |
| Max Series Fuse Rating | 15A |

| COMPREHENSIVE CERTIFICATES | |
|----------------------------|---|
| Certificates | IEC 61215: 2016 , IEC 61730: 2016 |
| Model number | OSO60-156M-300W, OSO60-156M-305W, OSO60-156M-310W, OSO60-156M-315W |
| Manufacturing Under | ISO 9001: 2015: Quality management systems ISO 14001: 2015: Environmental management systems |
| Certificate Holder | Solar juice |
| Product warranty | 12 Years |
| Performance warranty | 25 years |

TECHNICAL DRAWING



LINEAR PERFORMANCE WARRANTY



I-V CURVE

