

ASM180M SOLAR MODULE

MAXIMUM EFFICIENCY AND PERFORMANCE



AUSTRALIAN SOLAR MANUFACTURING
PTY LTD

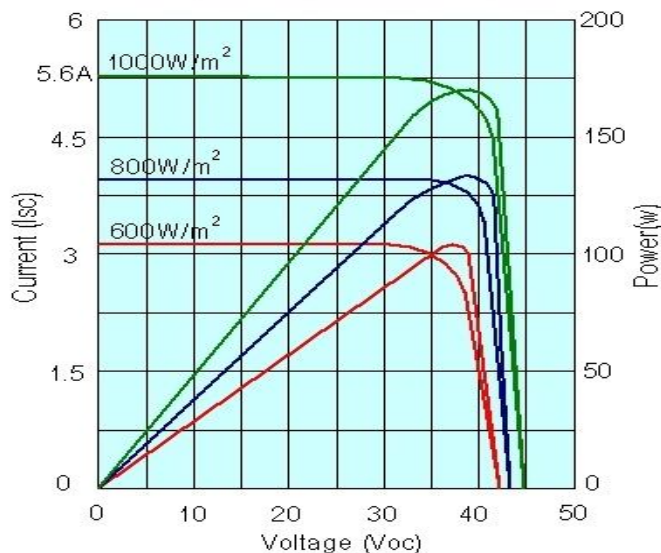
Electrical Data

Measured at Standard Test Conditions (STC): Irradiance 1000W/m², AM 1.5, and cell temperature 25° C

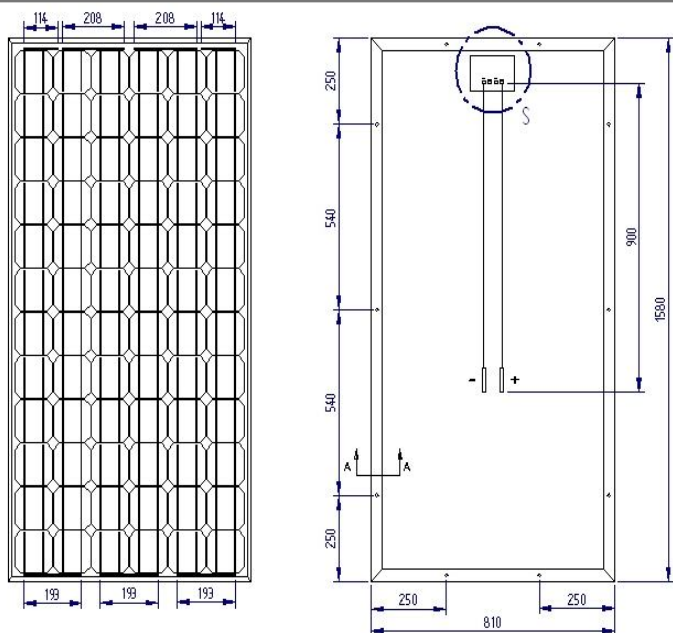
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|------------------------------------|----------------------------|-------------|
| Nominal Power (+5/-3%) | P _{nom} | 180 W |
| Efficiency | η | 16.50% |
| Rated Voltage | V _{mp} | 38.16 V |
| Rated Current | I _{mp} | 5.0 A |
| Open Circuit Voltage | V _{oc} | 44.12 V |
| Short Circuit Current | I _{sc} | 5.28 A |
| Maximum System Voltage | IEC | 1000 V |
| Temperature Coefficients Power (P) | | -0.438% /°C |
| | Voltage (V _{oc}) | -0.297mV/°C |
| | Current (I _{sc}) | 0.03%/ °C |
| NOCT | | -40-/+85° C |
| Series Fuse Rating | | 10 A |

I-V Curve

Electrical Performance
(Cell Temperature : 25°C)

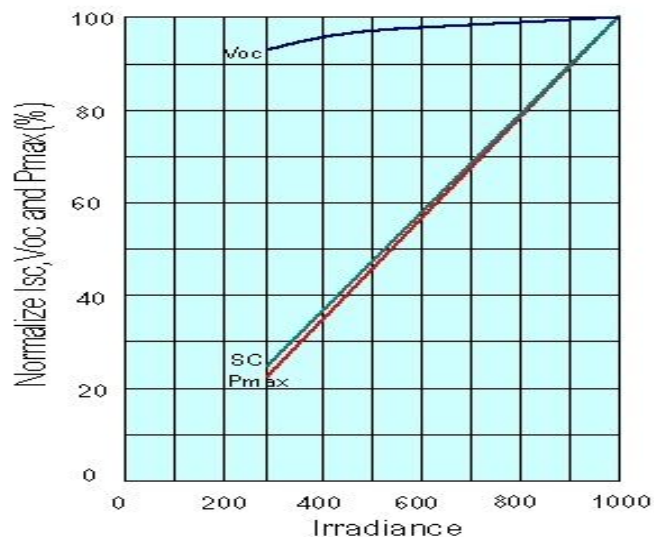


Dimensions 1580 mm * 810 mm * 45 mm



Current/voltage characteristics with dependence on irradiance and module temperature.

Irradiance dependence of I_{sc}, V_{oc} and P_{max} (cell temperature:25° C)



Mechanical data

| | | | |
|--------------|--------------------------------------------------------------------|---------------|------------------------------------------------------------------|
| Solar Cells | 72 MonoCrystalline cells in a series | Output Cables | 2 x 1000mm 4mm ² length cables / ZJRH connectors 05-6 |
| Front Glass | High transmission tempered glass with anti-reflective (AR) coating | Frame | Silver Anodised Electrophoresis coating |
| Junction Box | IP-65 rated with 3 bypass diodes 32 x 155 x 128 (mm) | Weight | 17 kg |

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
Visit www.australiansolarmanufacturing.com.au for details

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