

# ASM190M SOLAR MODULE

## MAXIMUM EFFICIENCY AND PERFORMANCE



**AUSTRALIAN SOLAR MANUFACTURING**  
PTY LTD

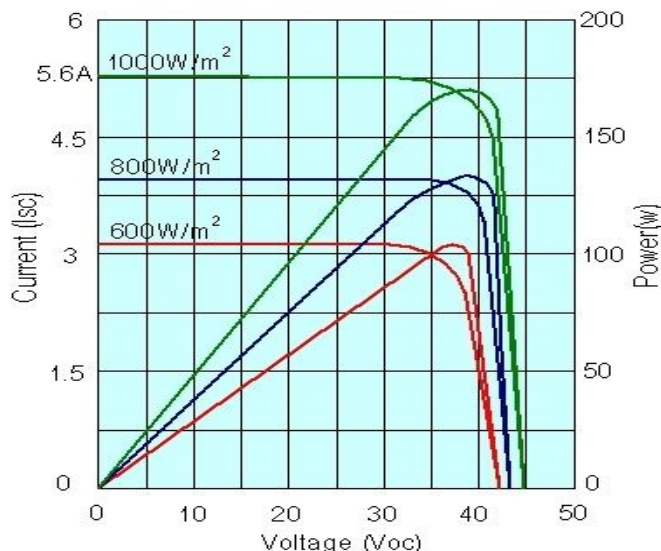
### Electrical Data

Measured at Standard Test Conditions (STC): Irradiance 1000W/m<sup>2</sup>, AM 1.5, and cell temperature 25° C

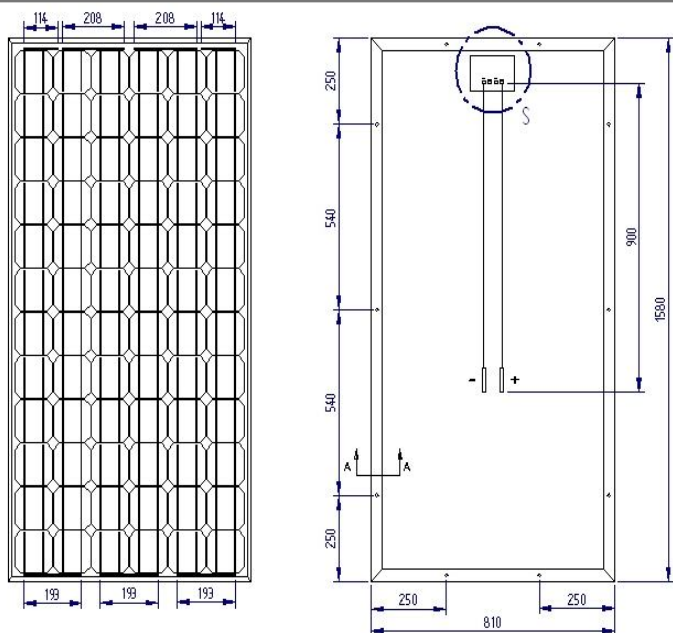
Nominal Power (+5/-3%)	P <sub>nom</sub>	190 W
Efficiency	η	17.25%
Rated Voltage	V <sub>mp</sub>	38.16 V
Rated Current	I <sub>mp</sub>	5.24 A
Open Circuit Voltage	V <sub>oc</sub>	44.12 V
Short Circuit Current	I <sub>sc</sub>	5.52 A
Maximum System Voltage	IEC	1000 V
Temperature Coefficients Power (P)		-0.438% /°C
	Voltage (V <sub>oc</sub> )	-0.297mV/°C
	Current (I <sub>sc</sub> )	0.03%/ °C
NOCT		-40-/+85° C
Series Fuse Rating		10 A

### I-V Curve

Electrical Performance  
(Cell Temperature : 25°C)

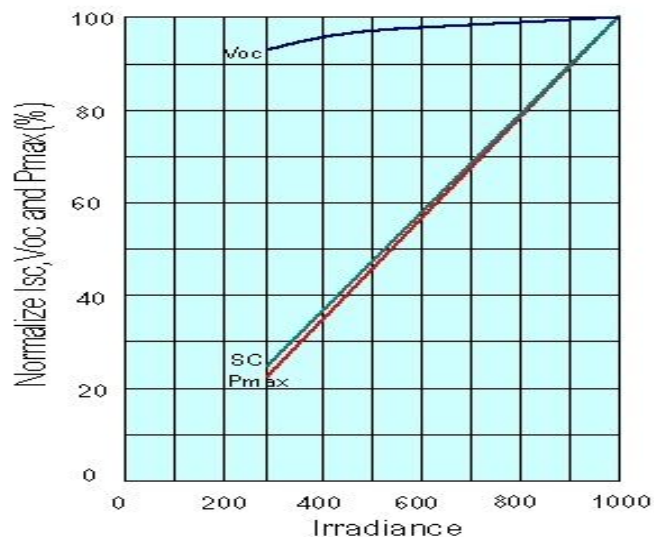


### Dimensions 1580 mm \* 810 mm \* 45 mm



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

Irradiance dependence of I<sub>sc</sub>, V<sub>oc</sub> and P<sub>max</sub> (cell temperature: 25°C)



### Mechanical data

Solar Cells	72 MonoCrystalline cells in a series	Output Cables	2 x 1000mm 4mm <sup>2</sup> 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](http://www.australiansolarmanufacturing.com.au) for details

UNIT 2, 37 RIMFIRE DRIVE, HALLAM, VICTORIA 3803

PHONE: 61 3 87863461

FAX: 61 3 87863459

EMAIL: [info@australiansolarmanufacturing.com.au](mailto:info@australiansolarmanufacturing.com.au)