

ASM175M SOLAR MODULE

MAXIMUM EFFICIENCY AND PERFORMANCE



AUSTRALIAN SOLAR MANUFACTURING
PTY LTD

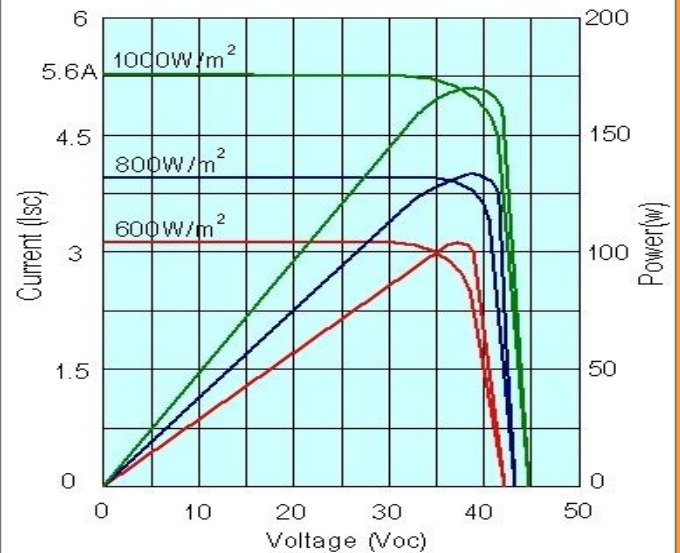
Electrical Data

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

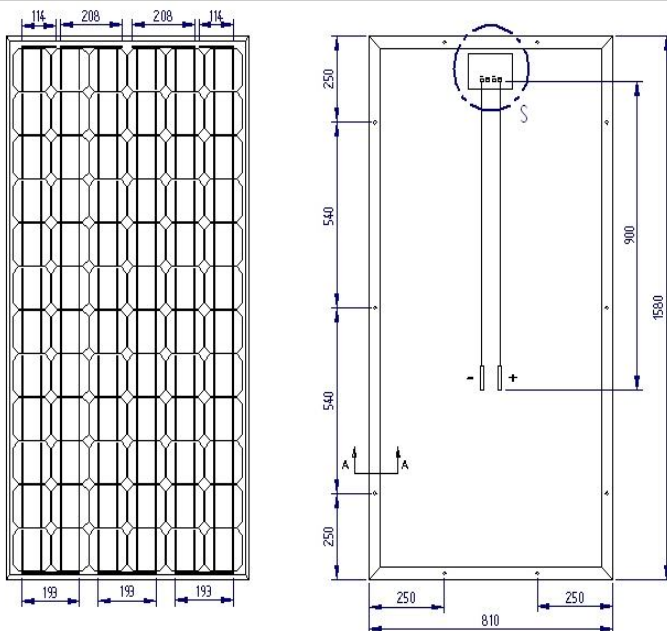
Nominal Power (+5/-3%)	P _{nom}	175 W
Efficiency	η	16.25%
Rated Voltage	V _{mp}	38.16 V
Rated Current	I _{mp}	4.63 A
Open Circuit Voltage	V _{oc}	44.12 V
Short Circuit Current	I _{sc}	4.91 A
Maximum System Voltage	IEC	1000 V
Temperature Coefficients Power (P)		-0.438% /°C
	Voltage (V _{oc})	-0.297mV/°C
	Current (I _{sc})	0.03%/ °C
NOCT		-40-/+85° C
Series Fuse Rating		10 A

I-V Curve

Electrical Performance
(Cell Temperature : 25°C)

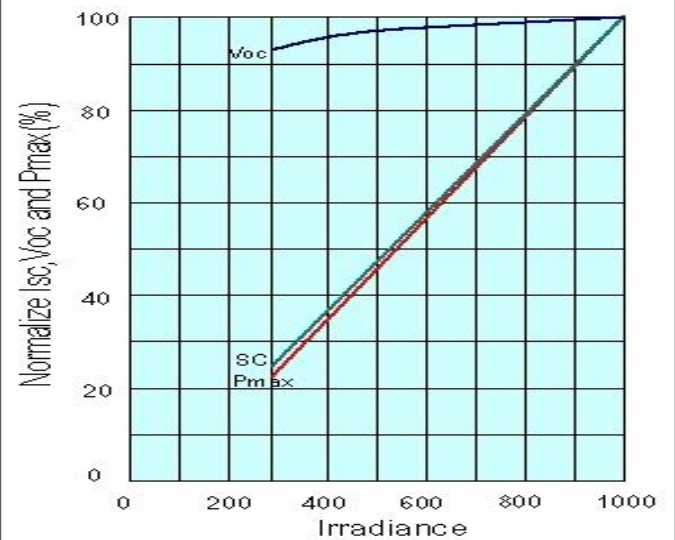


Dimensions 1580 mm * 810 mm * 45 mm



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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