



250W Solar Photovoltaic Module



ELECTRICAL CHARACTERISTICS

Type	BSG	BSG-250M
Max-Power	P _m (W)	250
Power Tolerance	(%)	+5
Max-Power Voltage	V _m (V)	48
Max-Power Current	I _m (A)	5.21
Open-Circuit Voltage	V _{oc} (V)	60.1
Short-Circuit Current	I _{sc} (A)	5.63
Max-System Voltage	(VDC)	1000
Cell Efficiency	η _c (%)	18
Number, type and arrangement of cells		96 pcs. Mono-Crystalline Silicon (8x12)
Cell Size	(mm)	125 X 125
I _m Temperature Coefficient	(%/°C)	+ 0.1
V _m Temperature Coefficient	(%/°C)	- 0.38
P _m Temperature Coefficient	(%/°C)	- 0.47
I _{sc} Temperature Coefficient	(%/°C)	+ 0.1
V _{oc} Temperature Coefficient	(%/°C)	- 0.38
NOCT- Nominal Operating Cell Temperature	(°C)	48±2

MECHANICAL CHARACTERISTICS

Cable type, Diameter and Length		4mm ² , 900mm
		Compatible Type III and Type IV
Dimension	A*B*C	(mm) 1580*1062*45
Weight		(Kg) 19
Glass, Type and Thickness		High Transmis., Low Iron, Tempered Glass 3mm.
Surface Maximum Load Capacity		60m/s (200kg/sq.m)

PACKAGING CONFIGURATION

Packing Configuration		2 pcs./box
Quantity/Pallet		36 pcs/pallet
Loading Capacity		216 pcs/20ft or 504pcs/40ft(H)

ABSOLUTE RATINGS

Dielectric Insulation Voltage	(VDC)	3000 max.
Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+85

*STC Conditions(1000W/m²; 1.5 AM and 25°C Cell temperature)



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Clean Energy Council
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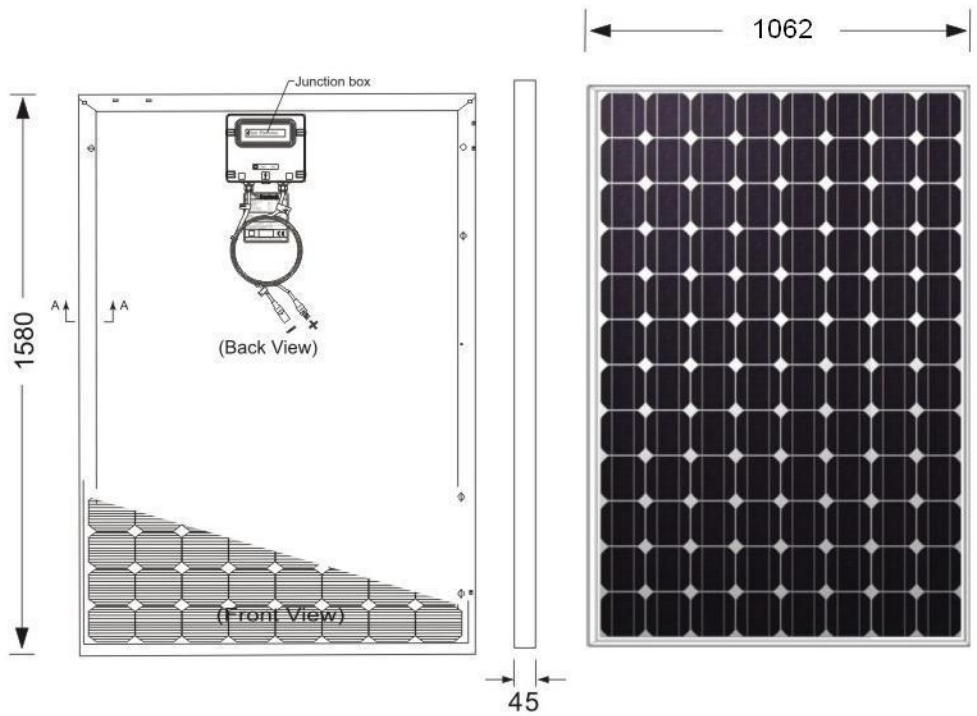
Dimensions

Dimensions (mm) A*B*C	1580*1062*45
Cable Length (mm)	900
Connectors and Cables Type	4mm ²



CERTIFICATIONS

TUV CERTIFIED
REGISTERED AS APPROVED FOR
CLEAN ENERGY COUNCIL OF
AUSTRALIA GRID-CONNECT
REBATE PROGRAM



Warranty

Manufacturing	10 years
Power production	90% : 10 years 80% : 25 years

**This brochure is correct at 01/01/2012 but subject to change without any notice.

**All Modules are manufactured at higher than their nominal wattage rating.

**Manufactured by Blue Sun Group in China.