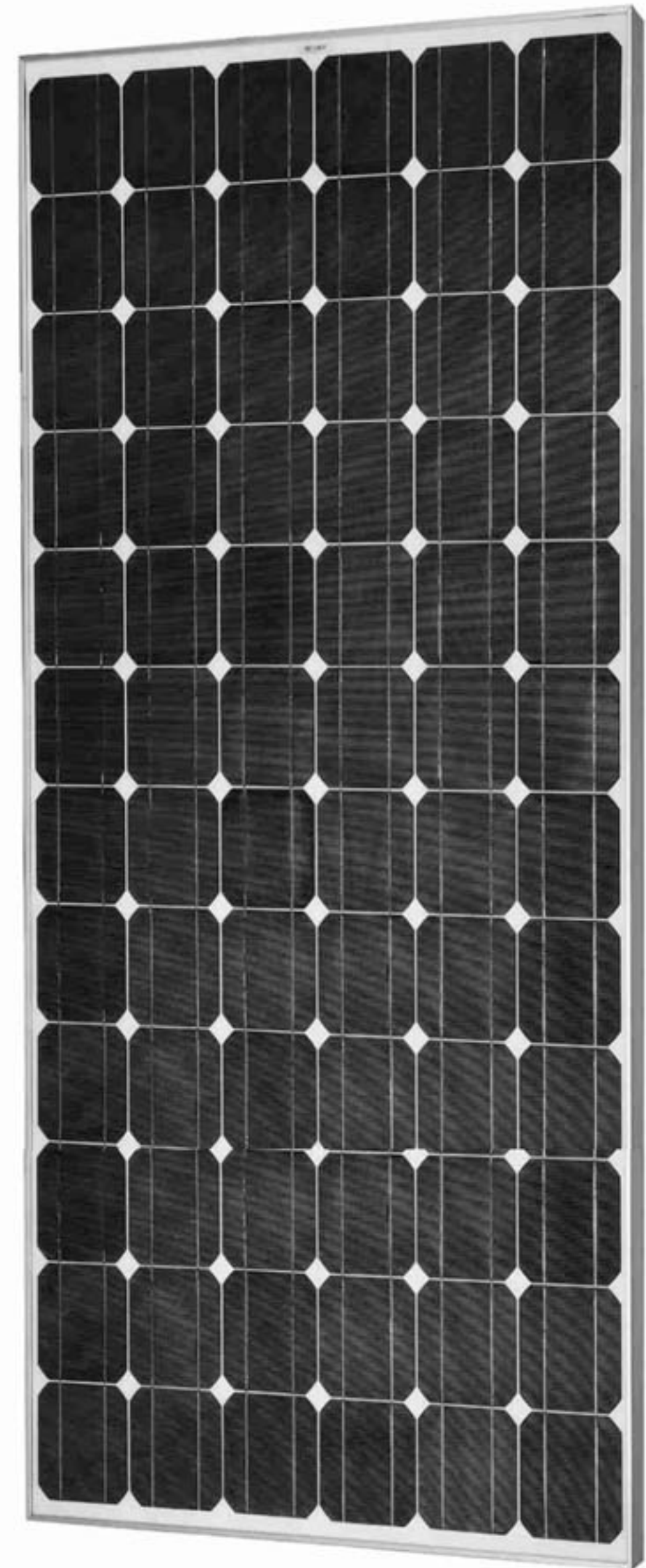


MS170M/180M/190M-72



Length	Width	Depth	Weight	Solar cells
1580mm	808mm	45mm	15Kg	72 Pcs (125mm*125mm) in a 6*12 matrix connected

- High efficiency module using 5" monocrystalline solar cells(125*125 mm).
- 72 solar cells and connection in series.
- 14% or Higher module conversion efficiency.
- High reliable schottky bypass diode minimizes power drop by shade.
- Using optical low iron tempered anti reflective glass, EVA laminate and weatherproof back-sheet provide protection in the severe conditions of environment.
- Robust, Clear anodize aluminum frame protected.



SUPERIORITY

Designed for optimum use in residential and Commercial grid-tied applications.

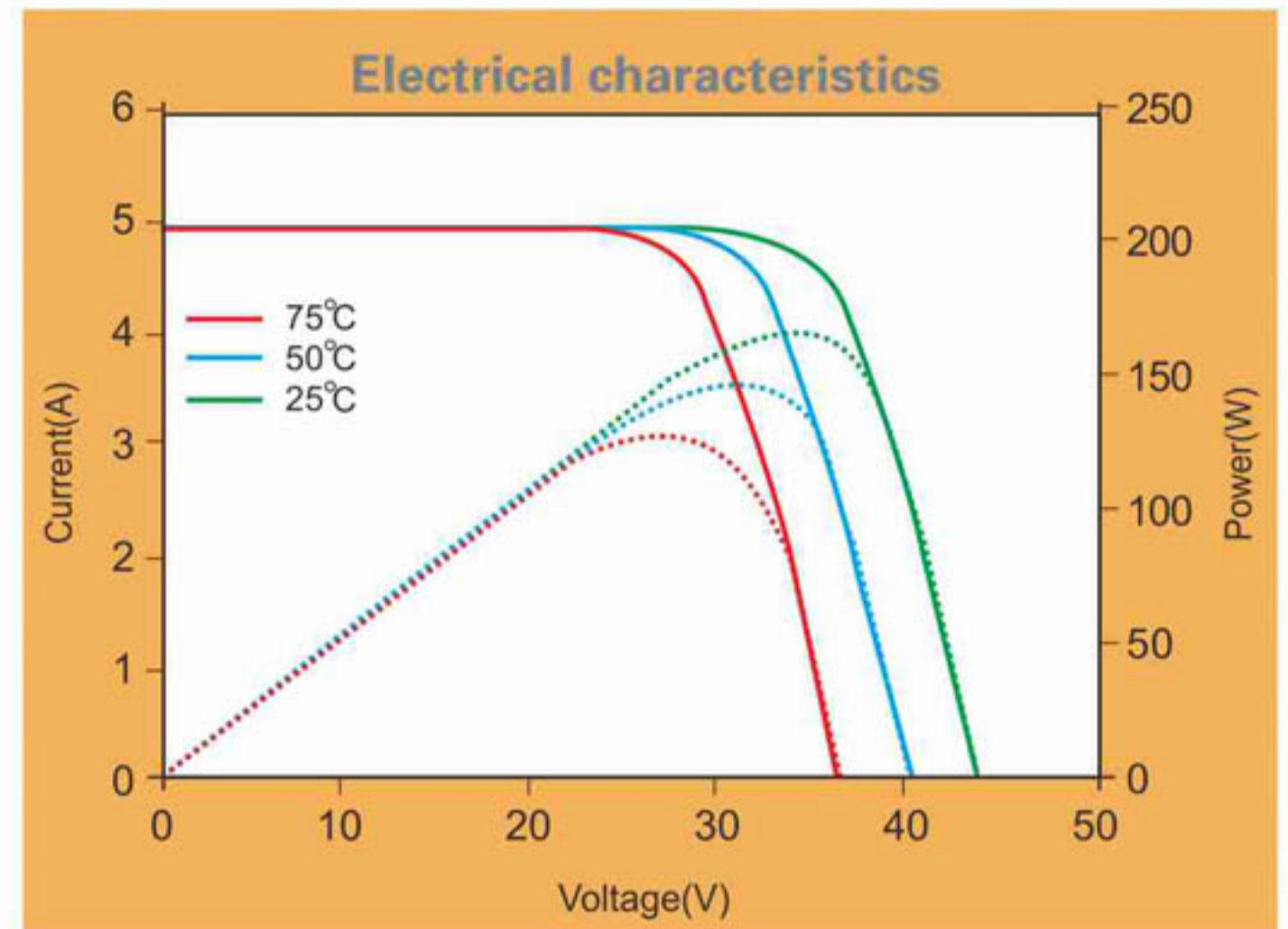
Bad weather withstand Junction BOX, crosslink cable and low connection losses connectors.

QUALITY ASSURANCE

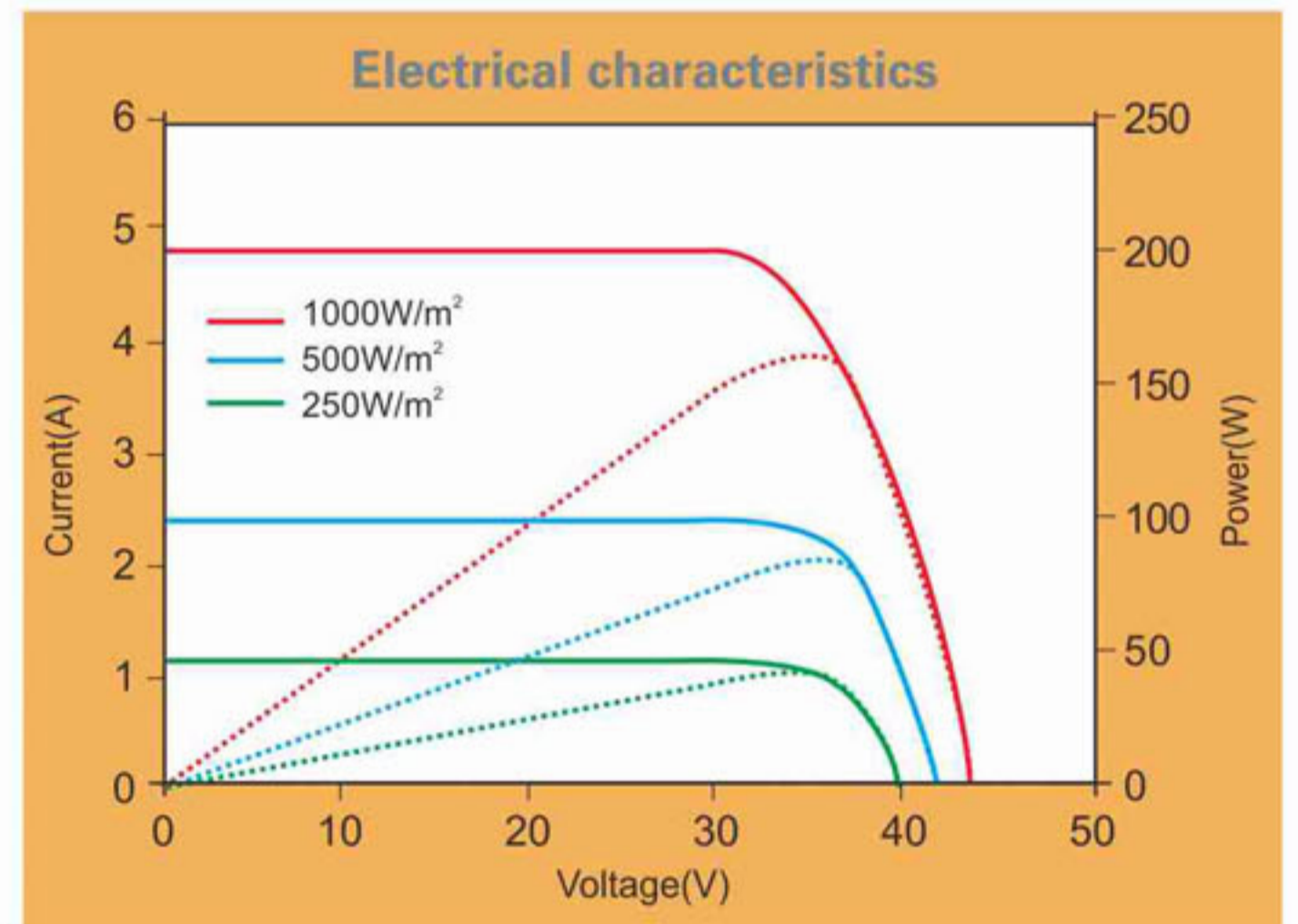
Utilizing advanced technology and automatic production.

Complete test : Hot-spot endurance, Insulation, Outdoor exposure, UVpreconditioning, Humidity-freeze, Damp heat, Thermal cycling, Robustnessof terminations, Wet leakage current, Loading, Hail impact. Manufactured in ISO 9001 : 2008 certified facility.

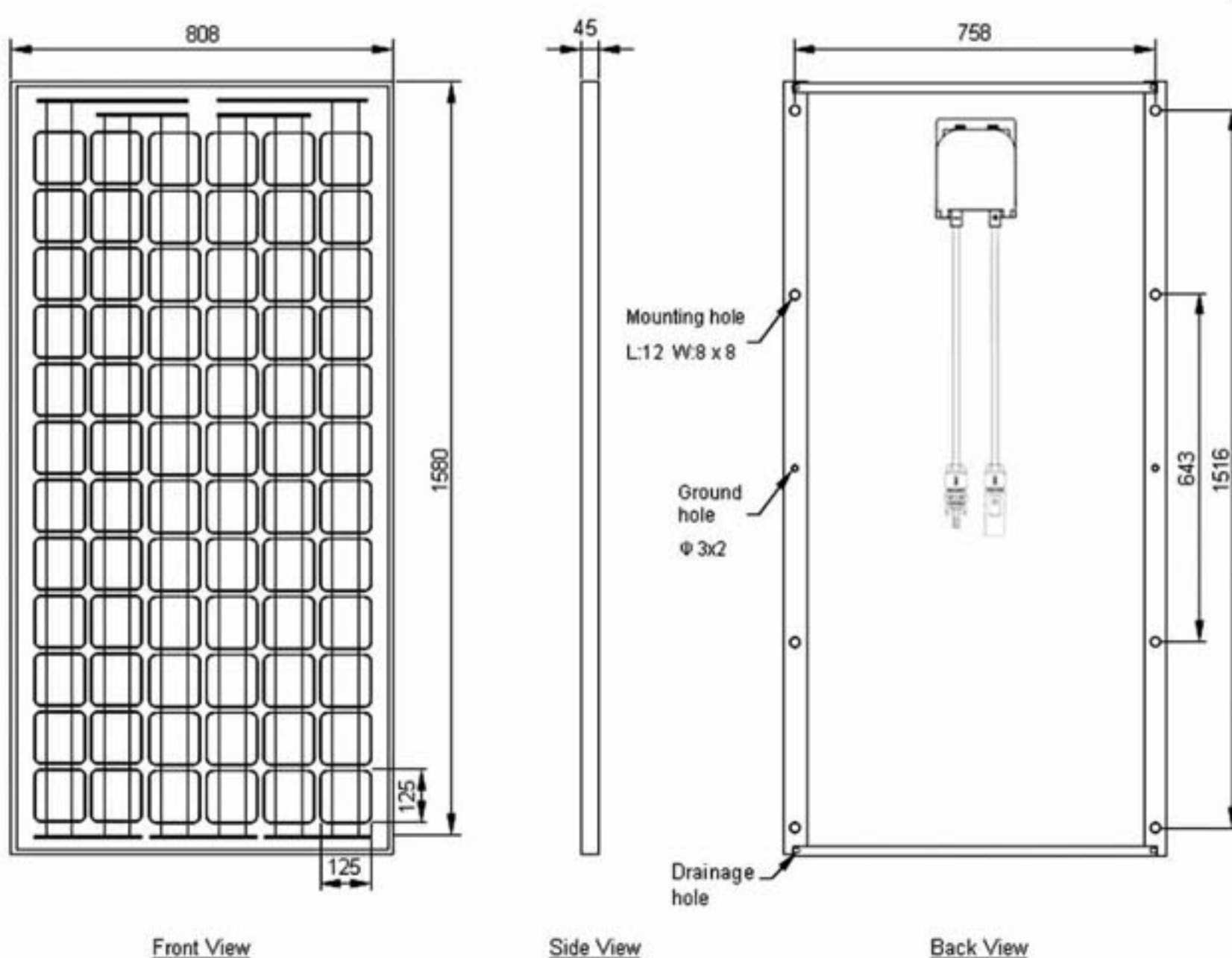
Electrical Data				
Power Rating	Pmpp	170W	180W	190W
Maximum Current	I _{mp}	4.64A	4.77A	5.04A
Maximum Voltage	V _{mp}	36.57V	37.72V	37.68V
Short-circuit Current	I _{sc}	4.97A	5.10A	5.48A
Open-circuit Voltage	V _{oc}	44.13V	44.71V	44.46V
Efficiency Rating		16.01%	16.96%	17.9%
Power Tolerance		3%		



Tested Operating Conditions	
Temperature range	-40°C to 85°C
Damp heat	85%RH
Max back loading	2400 Pa
Max front loading	5400 Pa
Hail impact	25mm Ice ball at 23m/s



Warranty	
5-year guarantee for workmanship	
12-year guarantee of max. 10% loss of power	
25-year guarantee of max. 20% loss of power	



At STC(Standard Test Conditions).1000W/m, 25° C cell temperature, AM1.5 spectrum