



NCT-SM-180W-G61

Multicrystalline Silicon Photovoltaic Module

Certification:

- ISO 9001
- TUV



FEATURE:

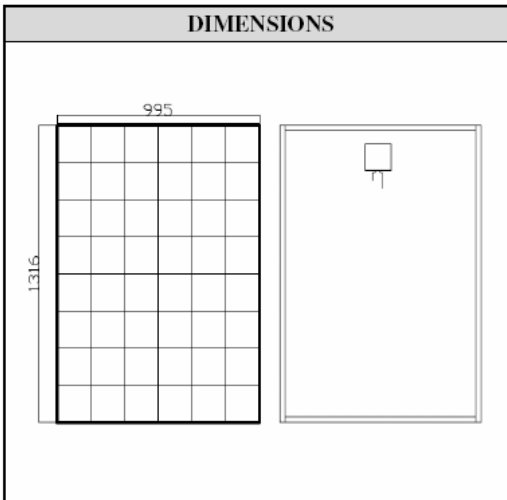
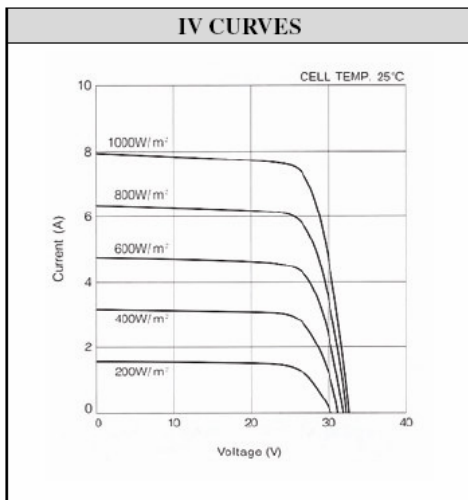
- High power module using 6" multicrystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 48 solar cells and connection in series.
- DC 24V system
- Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.

SPECIFICATIONS	
P/N	NCT-SM-180W-G61
Max Power	180 Watt
Max Power Voltage	24.00 Volts
Max Power Current	7.41 Amps
Open Circuit Voltage	29.71 Volts
Open Circuit Current	7.89 Amps
Length	1316 mm
Width	995 mm
Depth	50mm
Weight	16 kg
Performance tolerance	±5%

MECHANICAL CHARACTERISTICS	
Packing Configuration	10 pcs per carton
Size of Carton	1350*530*1020mm
Loading Capacity(20 ft container)	280 pcs
Loading Capacity(40 ft container)	560 pcs

ABSOLUTE MAXIMUM RATINGS	
Operating Temperature	-40 to 194°F/-40 to +90°C
Storage Temperature	-40 to 194°F/-40 to +90°C
Dielectric Isolation Voltage	2200 VDC max

Note: The electrical specifications are under test conditions of irradiance of 1kw/m².Spectrum of 1.5AM and cell temperature of 25°C.



Specifications are subject to change without notice.

Quality Assurance:

- Thermal cycling test
- Thermal shock test
- Thermal/freezing and high humidity cycling test
- Electrical isolation test
- Hail impacttest
- Mechanical, wind and twist loading test
- Salt mist test
- Light and water-exposure test
- Field exposure test
- Moist carbon dioxide/sulphur dioxide