



SUNGRID

INNOVATIVE ENERGY SOLUTIONS
AN AUSTRALIAN COMPANY

**Sungrid was founded with one simple mission:
to reduce the cost of solar energy.**

To achieve this we source, manufacture and supply solar energy components to installers, power generators and industrial users.

Combining our extensive international experience and market knowledge of the renewable energy industry, we continue to improve the economic efficiency of solar energy systems.

Photovoltaic module type: **SG-280M6**



The Sungrid M6 series modules are high quality, high performing mono-crystalline solar panels that have been designed by Sungrid for Australian conditions.

Affordable, clean, emissions free
Renewable **Electricity**





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Photovoltaic module type: SG-280M6

The Sungrid SG-280M6 has the following features:

- 10-Year product warranty.
- Industry leading performance warranty (12 years 90%, 25 years 85%).
- High efficiency monocrystalline solar cells.
- Black anodized aluminium frame, tempered glass, EVA and TPT to provide support and protection from the severest environmental conditions.
- Tyco weatherproof Junction Box.
- Nominal 24VDC output.
- Bypass diodes to minimize losses from shade.
- Factory certified to ISO9001:2000.
- Sealed with PE tape.

Type Of Module: SG-280M6	280W
Maximum Power (W)	280
Tolerance (%)	+5%, -0%
Open circuit Voltage (V)	44.86
Short circuit Current (A)	8.21
Maximum Power Voltage (V)	36.86
Maximum Power Current (A)	7.60
Module Efficiency (%)	14.35
Solar Cell Efficiency (%)	16.38
Series Fuse Rating (A)	15
Terminal Box	IP65
Maximum System Voltage (V)	DC1000
Operating Temperature (°C)	-40/+85
Electrical Characteristics	
Electric Performance Typical Performance Characteristics	
Short Circuit Current Temperature Coefficient mA/°C	+3.6
Open Circuit Voltage Temperature Coefficient V/°C	-0.1567
Maximum Power Temperature Coefficient %/°C	-0.5358
Physical Specifications	
Dimension: Length: 1961mm Width: 995mm Depth: 50mm	
Weight: 24.0 kg/pcs Packing: 10pcs/1 carton	
Loading Capacity: 200pcs/20ft Container 440pcs/40ft Container	

Quality Assurance

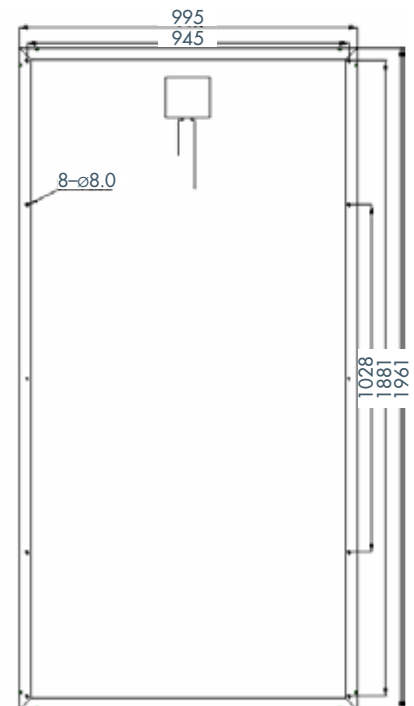
- Electrical insulation test.
- Outdoor exposure test.
- Hot-spot endurance test.
- UV-exposure.
- Thermal cycling test.
- Humidity freeze test.
- Damp heat test.
- Robustness of terminations test.
- Wet leakage current test.
- Mechanical load test.
- Hail impact test.
- Bypass diode thermal test.

Product Standards

Module certified to IEC61215, IEC61730-1, and IEC61730-2 by TUV Rheinland.

Warranty - 10 Year Product Warranty.

Performance Warranty - 12 years 90%, 25 years 85%



Designed in Australia, Made in Taiwan



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



ISO9001:2000

Sungrid Ltd 1/4 Bannister Street, Fremantle, WA 6160

t: +61 (0) 8 9430 5179 f: +61 (0) 8 9433 2858 e: info@sungridsolar.com www.sungridsolar.com