255-275Watt

POLYCRYSTALLINE SOLAR MODULE

UNIVERSAL SOLAR USG - XXX - 6P SERIES

Anti P.I.D. Module
Protection against crystalline performance degradation. Passed TÜV SÜD Germany - system voltage durability test

4 BUSBAR Solar Cell
Superior cell technology with 4 busbars for improved module efficiency

High Module Conversion Efficiency
Up to 16.9%, through superior cell technology and leading manufacturing capability

Self Clean Effect
Anti-reflective, hydrophobic layer improves light absorption and reduces surface dust

Triple EL Tested
Triple 100% Electroluminescence (EL) tests minimize breakage rate

Excellent Weak Light Performance
Excellent performance under low light environments to capture early morning and late evening sunlight

Intensive Wind and Snow Load Tests
Entire module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)*

World Class Manufacturing Facilities
Our manufacturing facilities are ISO certified for Quality assurance and deliver world class products

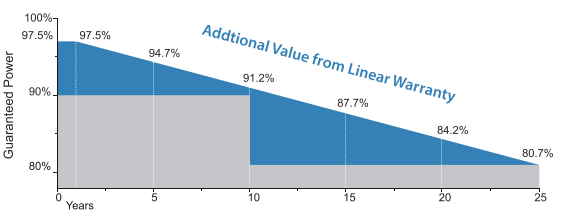
Superior Frame Design
Specially designed drainage holes and rigid construction prevent frames from deforming. Screw less frame design for a long term durability

IP67 Rated Junction Box With 6 Diodes
IP67 rated junction box with 6 diodes enhancing output & Supports any orientation installation

Trust USG-XXX-6P Series for Reliable Performance

- World's trusted manufacturer of crystalline silicon photovoltaic module
- Un-rivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards
- Tested for harsh environment

Industry Leading Australian Local Warranty



12 YEARS Warranty on Product Material & Workmanship

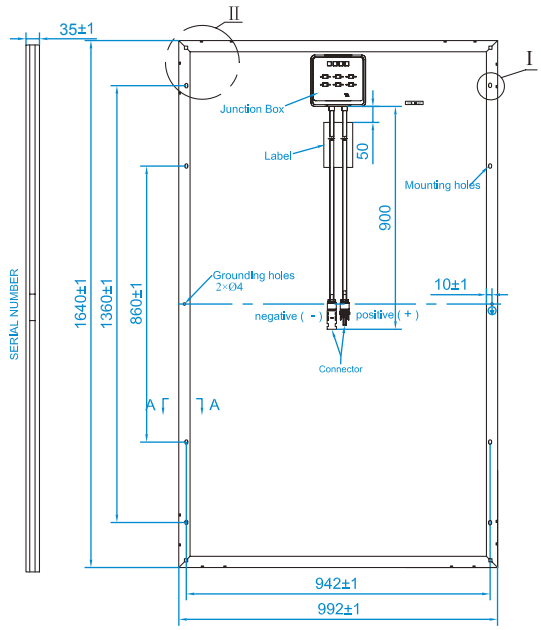
25 YEARS Linear Power Output Warranty

255-275Watt

Electrical Characteristics

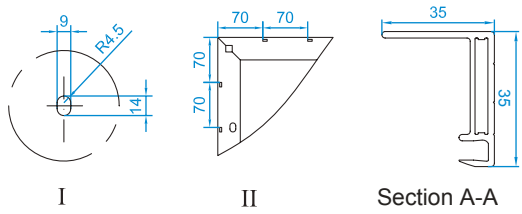
	USG-255-6P	USG-260-6P	USG-265-6P	USG-270-6P	USG-275-6P	Unit
Rated Power at STC (Pmp)	255	260	265	270	275	W
Power Tolerance	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	W
Maximum Power at STC	255+/-3%	260+/-3%	265+/-3%	270+/-3%	275+/-3%	W
Minimum Module Efficiency (ηm)	15.67	15.98	16.29	16.59	16.90	%
Open Circuit Voltage (Voc)	37.20	37.30	37.40	38.40	38.50	V
Short Circuit Current (Isc)	9.02	9.12	9.22	8.82	8.88	A
Maximum Power Voltage (Vmp)	30.20	30.30	30.40	32.70	33.00	V
Maximum Power Current (Imp)	8.45	8.59	8.73	8.28	8.34	A
Maximum System Voltage	1000(TÜV)					V
Maximum Series Fuse Rating	15					A

STC: Irradiance 1000 W/m² module temperature 25℃ AM=1.5;
Power measurement tolerance: +/-3%



Temperature Characteristics

Pmax Temperature Coefficient	-0.42%/°C
Voc Temperature Coefficient	-0.32%/°C
Isc Temperature Coefficient	+0.04%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature (NOCT)	45±2°C



* All Dimensions in mm
* The above drawing is a graphical representation of the product.

Packing Configuration

Container	20'GP	40'GP	40'HC
Pieces per Pallet	30	30	30/34
Pallets per Container	12	28	28
Pieces per Container	360	840	868

Mechanical Specifications

External Dimensions	1640 x 992 x 35 mm
Weight	18.5 kg
Solar Cells	Polycrystalline 156 x 156 mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized/ Electrophoretic aluminium aloy
Junction Box	IP67
Output Cables	4.0 mm²,symmetrical lengths 900 mm
Connector	TL-CABLE01 / PV-TT01 / 05-6
Mechanical Load	5400 Pa
Hailstone Impact Test	80 km/h for 25 mm ice ball

Current-Voltage & Power-Voltage Curve (USG-260-6P)