

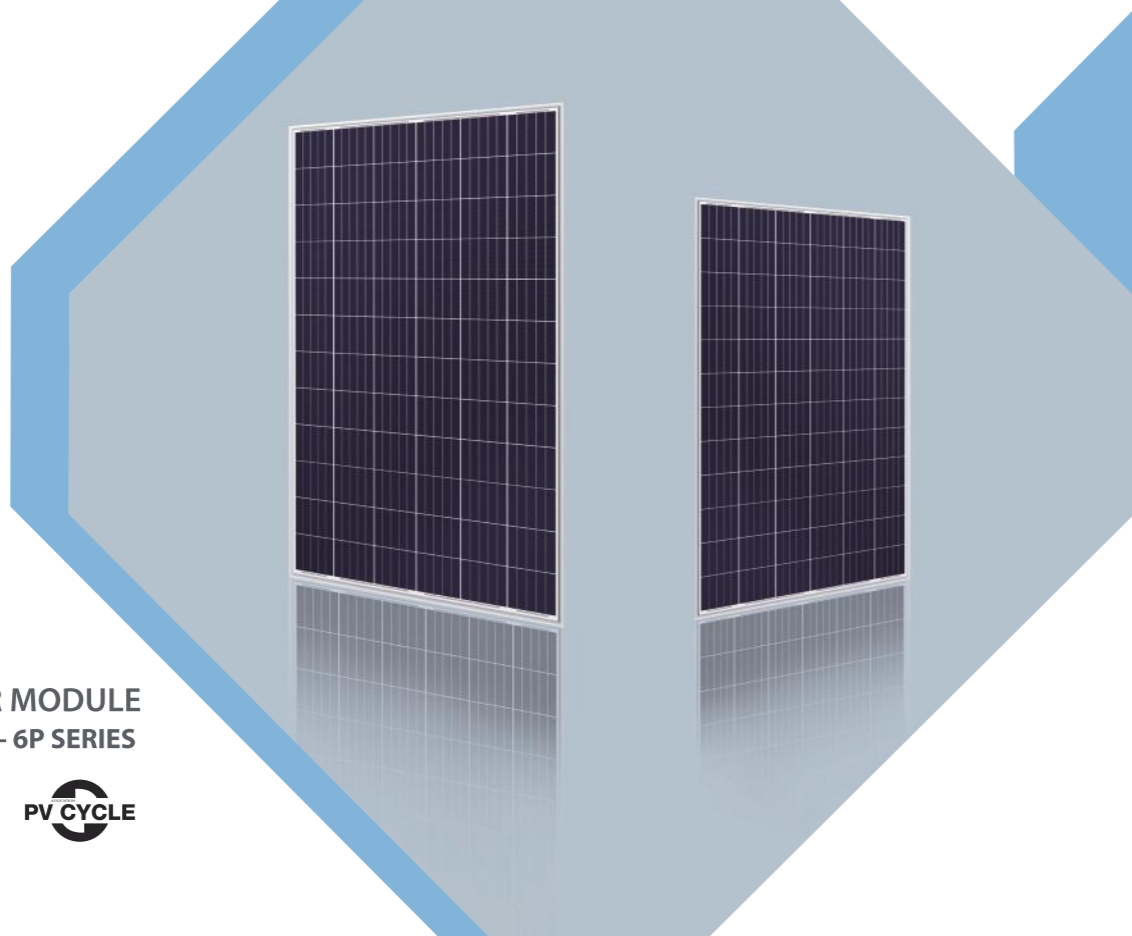
Leading Solar Components Supplier
in the Oceania and Asia-Pacific



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305-325Watt

POLYCRYSTALLINE SOLAR MODULE
UNIVERSAL SOLAR USG - XXX - 6P SERIES



305-325Watt

Electrical Characteristics

| | USG-305-6P | USG-310-6P | USG-315-6P | USG-320-6P | USG-325-6P | Unit |
|--------------------------------|------------|------------|------------|------------|------------|------|
| Rated Power at STC (Pmp) | 305 | 310 | 315 | 320 | 325 | W |
| Power Tolerance | +/- 3% | +/- 3% | +/- 3% | +/- 3% | +/- 3% | W |
| Maximum Power at STC | 305+/-3% | 310+/-3% | 315+/-3% | 320+/-3% | 325+/-3% | W |
| Minimum Module Efficiency (ηm) | 15.67 | 15.98 | 16.29 | 16.59 | 16.90 | % |
| Open Circuit Voltage (Voc) | 44.60 | 44.70 | 44.80 | 44.90 | 46.30 | V |
| Short Circuit Current (Isc) | 9.06 | 9.13 | 9.24 | 9.38 | 8.88 | A |
| Maximum Power Voltage (Vmp) | 36.00 | 36.30 | 36.40 | 36.40 | 39.00 | V |
| Maximum Power Current (Imp) | 8.48 | 8.54 | 8.66 | 8.78 | 8.34 | A |
| Maximum System Voltage | 1000(TÜV) | | | | | V |
| Maximum Series Fuse Rating | 15 | | | | | A |

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

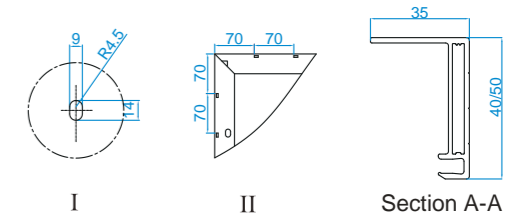
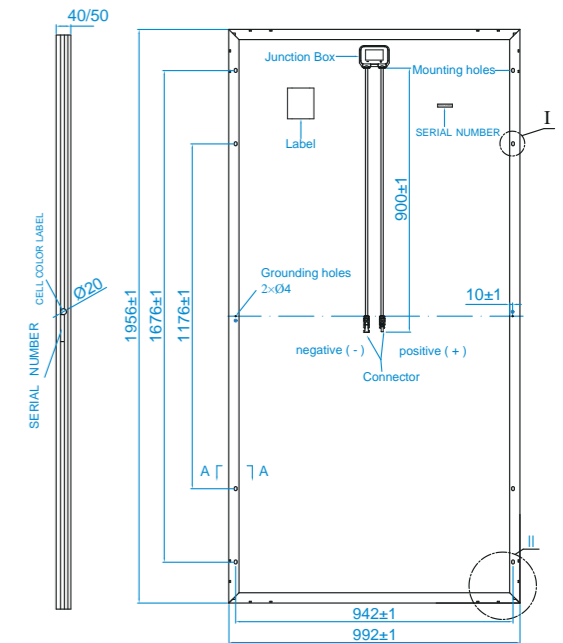
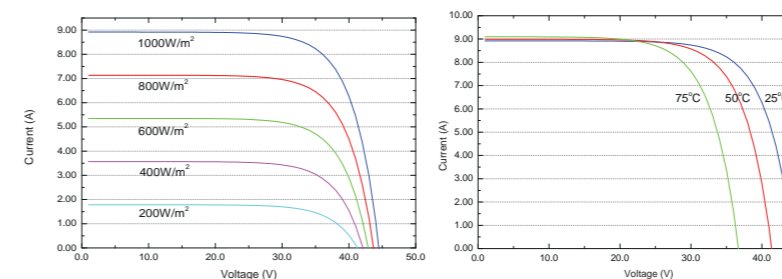
Temperature Characteristics

| | |
|---|-----------|
| Pmax Temperature Coefficient | -0.41%/°C |
| Voc Temperature Coefficient | -0.32%/°C |
| Isc Temperature Coefficient | +0.05%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |

Packing Configuration

| Container | 20'GP | 40'GP |
|-----------------------|-------|-------|
| Pieces per Pallet | 26 | 26 |
| Pallets per Container | 10 | 22 |
| Pieces per Container | 260 | 572 |

Current-Voltage & Power-Voltage Curve (USG-310-6P)



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

Mechanical Specifications

| | |
|-----------------------|--|
| External Dimensions | 1956 x 992 x 40 mm |
| Weight | 24 kg |
| Solar Cells | Polycrystalline 156 x 156 mm (72pcs) |
| Front Glass | 3.2 mm tempered glass, low iron |
| Frame | Anodized/ Electrophoretic aluminium alloy |
| Junction Box | IP65/IP67 |
| Output Cables | 4.0 mm ² , cable length: 900 mm |
| Connector | TL-CABLE01 / PV-TT01 / 05-6 |
| Mechanical Load | 5400 Pa |
| Hailstone Impact Test | 80 km/h for 25 mm ice ball |

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

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

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

Self Clean 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

Weak Light 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)*

ISO 14001 9001 World Class Manufacturing Facilities
Our manufacturing facilities are ISO certified for Quality assurance and deliver world class products

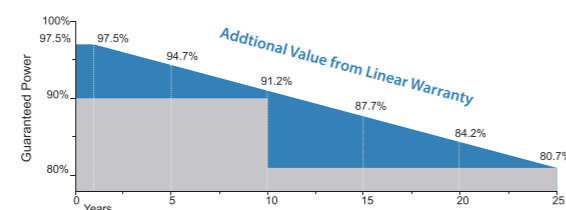
Superior Frame Design Specially designed drainage holes and rigid construction prevent frames from deforming. Screw less frame design for a long term durability

IP67 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