

265 Watt

POLY-CRYSTALLINE SOLAR PANEL

Features

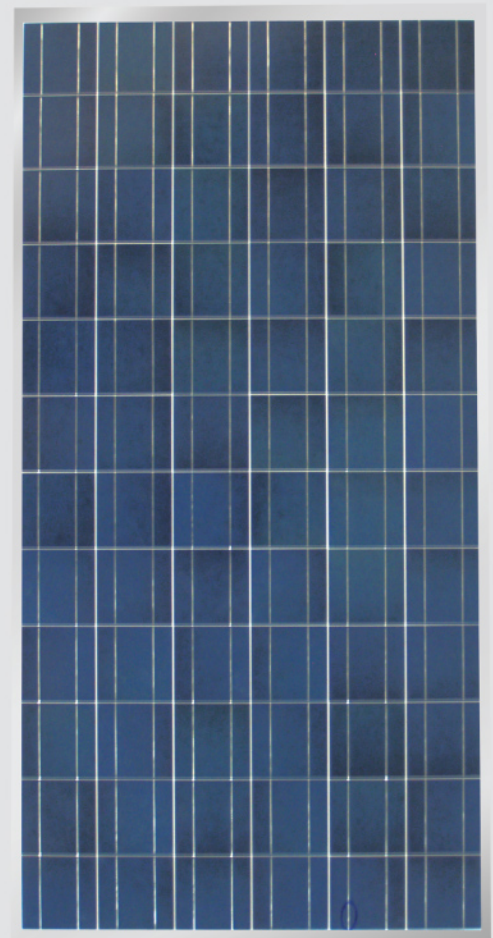
- High conversion efficiency based on innovative photovoltaic technologies
- Withstands high wind-pressure and snow load, and extreme temperature variations
- Low voltage-temperature coefficient allows higher power output at high-temperature condition
- Outstanding low-light performance

Quality and Safety

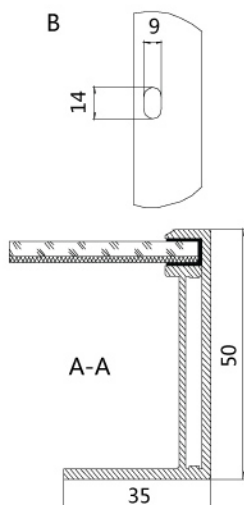
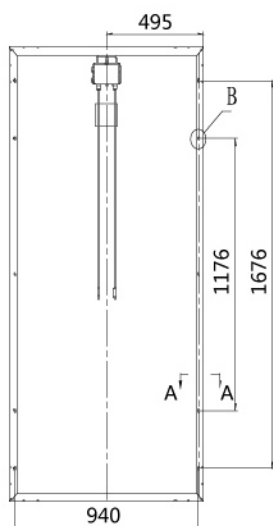
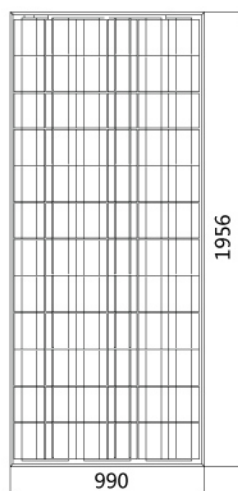
- 25-year power output transferable warranty
- ISO 9001:2000 (Quality Management System) and ISO 14001:2004 (Environmental Management System) certified factories manufacturing world class products
- Proven materials, tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in all kinds of complex configuration
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- Innovative, environmentally packing method ensures modules arrived in perfect condition

Recommended Applications

- Residential roof top systems
- On-grid utility systems
- On-grid commercial systems



Type	ZD280-24P	ZD275-24P	ZD270-24P	ZD265-24P	ZD260-24P	ZD255-24P
Maximum Power at STC (Pmax)	280Wp	275Wp	270Wp	265Wp	260Wp	255Wp
Open Circuit Voltage(Voc)	44V	43.8V	43.7V	43.6V	43.5V	43.3V
Short-Circuit Current(Isc) [A]	8.58A	8.48A	8.4A	8.31A	8.21A	8.13A
Optimum Operating Voltage(Vmp) [V]	35.3V	35.2V	35V	34.9V	34.7V	34.6V
Optimum Operating Current(Imp) [A]	7.94A	7.82A	7.72A	7.6A	7.5A	7.37A
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
Maximum system voltage	1000V	1000V	1000V	1000V	1000V	1000V
Maximum Series Fuse Rating	15A	15A	15A	15A	15A	15A
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%



Mechanical Characteristics

Solar Cell	Polycrystalline solar cells (156mm×156mm)
No. of Cells	6×12 pieces
Dimension	1956×990mm (L×W)
Front glass	White toughened safety glass, 3.2 mm
Frame	Anodised aluminium profile
Junction box	with 6 bypass diodes
Cable	length 900 mm, 1×4 mm ²
Cell encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back	composite film
Maximum surface load capacity	tested up to 2,400 Pa according to IEC 61215 (advanced test)
Hail	maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Voltage temperature coefficients	-0.37%/K
Current temperature coefficients	+0.03%/K
Power temperature coefficients	-0.52%/K

The electrical data relates to standard test conditions [STC]: 1,000 W/m²; AM 1.5; 25°C. Performance deviation of P_{mp}: -/+ 3%, performance deviation of Voc[V], Isc[A], V_{mp} [V] and Imp [A]: -/+ 10%. Certified in accordance with IEC 61215, and IEC 61730-1/2.