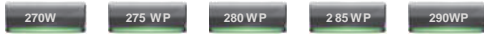


Polycrystalline Solar Photovoltaic Module

FDS220-20P280

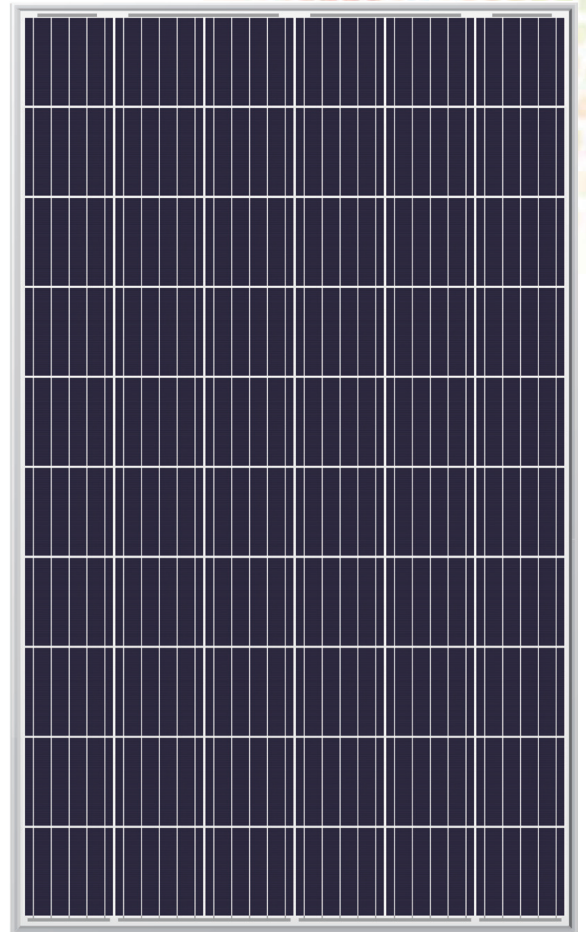


WHY FORTUNES SOLAR M O D U L E

- Antireflective coating and highly transparent solar glass maximizing energy yield
- Quality test during all manufacturing process. Only modules that achieve the designated nominal performance or greater in tests are dispatched
- High yield under weak light condition by using high efficient cells
- Industry leading module power output warranty
- Guaranteed average positive power output to ensure energy yield reliability

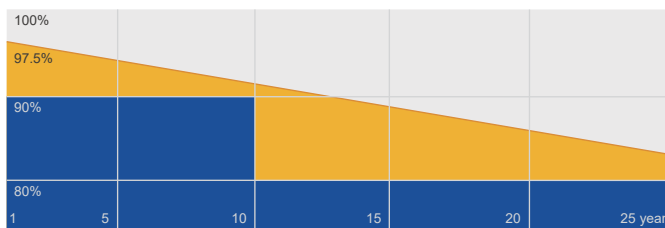
APPLICATIONS

- Commercial/ industrial building roof top system
- Residential roof top system
- Solar power plants
- Off-grid system
- Other grid-tied application

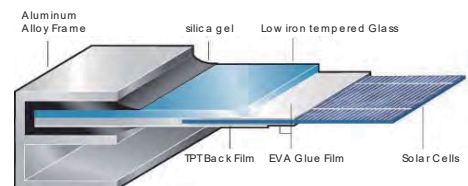


Superior Warranty

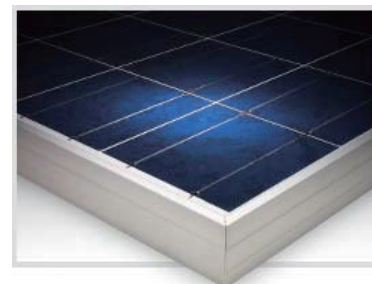
- 12-year product warranty
- 25-year linear power output warranty



■ FS Linear Power Warranty ■ Industry Warranty



Solar PV Module structure diagram



Modules are assembled with high quality, smooth aluminum alloy frames



Qualified, IEC 61215
 Safety tested, IEC 61730
 Periodic Inspection
 Power Controlled

ELECTRICAL DATA

Model No.	FDS220-20P275	FDS220-20P280		
Maximum Power (Pmax)	275Wp	280Wp		
Maximum Power Voltage (Vmp)	32.0V	31.5V		
Maximum Power Current (Imp)	8.61A	8.90A		
Open Circuit Voltage (Voc)	39.1V	38.3V		
Short Circuit Current (Isc)	9.15A	9.40A		
Power Tolerance (Wp)	0 to 5W			
Maximum System Voltage (Vdc)	600V(UL) / 1000V(TUV)DC			
Module Efficiency	16.8%	17.2%		

STANDARD TEST CONDITIONS(STC) - AM 1.5; IRRADIATION 1000W/M²; CELL TEMP. 25°C

CELL TECHNOLOGY AND MECHANICAL DATA

Cells Type and Size	Polycrystalline 156.75x156.75mm
Number and Array of Cell	60pcs / 6 x 10
Frame structure	Anodized Aluminum Alloy
Front glass and thickness	High transmitted, Low iron tempered Glass, 3.2mm
Junction Box	IP65 Rated
Connectors, Cable and Length	TUV1x4.0MM ² / UL12AWG; Length 900mm / 1200mm

THERMAL PERFORMANCE

Temp. coefficient of Pmax (%)	-0.46
Temp. coefficient of Voc (%)	-0.36
Temp. coefficient of Isc (%)	0.06
Nominal operating Cell Temp.(NOCT)	45 ± 2°C
Operating and Storage Temp.	-40+85

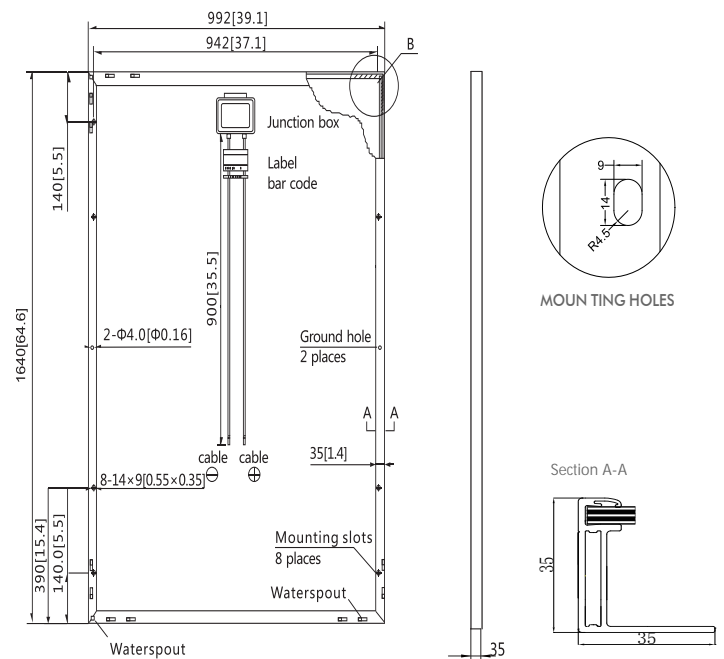
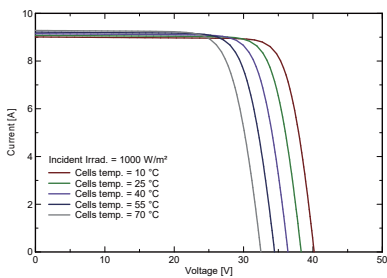
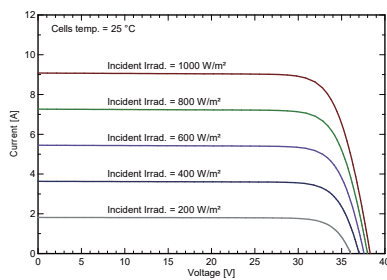
MODULE DIMENSIONS

Dimension	1640x992x35mm
Weight	18.5Kg

PACKING DATA

Container	40'HC	40'GP	20'GP
Quantity / Pallet	66		60
Quantity / Container	924		360

ELECTRICAL CURVES



Due to our continual improvements, the products covered by this brochure may be changed without notice

The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module type