

FP250 SERIES

FP220WP FP225WP FP230WP FP235WP FP250WP

WHY FURTHER POWER MODULE

- 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

APPLICATION

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

POWER WARRANTY



80% Power Output Warranty



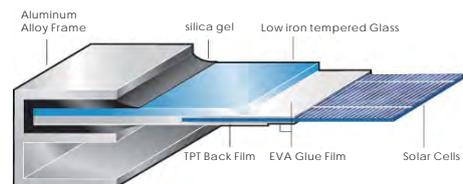
90% Power Output Warranty



Material & Workmanship Warranty



Qualified, IEC61215
 Safety tested, IEC61730
 Periodic Inspection
 Power Controlled



Solar PV Module structure diagram



Modules are assembled with high quality, smooth aluminum alloy frames

ELECTRICAL DATA

Model No.	FP-220WP	FP-225WP	FP-230WP	FP-235WP	FP-250WP
Maximum Power (Pmax)	220Wp	225Wp	230Wp	235Wp	250Wp
Maximum Power Voltage (Vmp)	29.2V	29.4V	29.8V	30.1V	30.3V
Maximum Power Current (Imp)	7.53A	7.66A	7.72A	7.81A	8.25A
Open Circuit Voltage (Voc)	36.6V	36.9V	37.0V	37.1V	37.2V
Short Circuit Current (Isc)	8.09A	8.15A	8.26A	8.31A	8.37A
Power Tolerance (Wp)	3%				
Maximum System Voltage (Vdc)	600V(UL) / 1000V(TUV)DC				
Maximum Rated Current Series	15A				

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 x 156 (6 inches)
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 Tempt.	-40+85

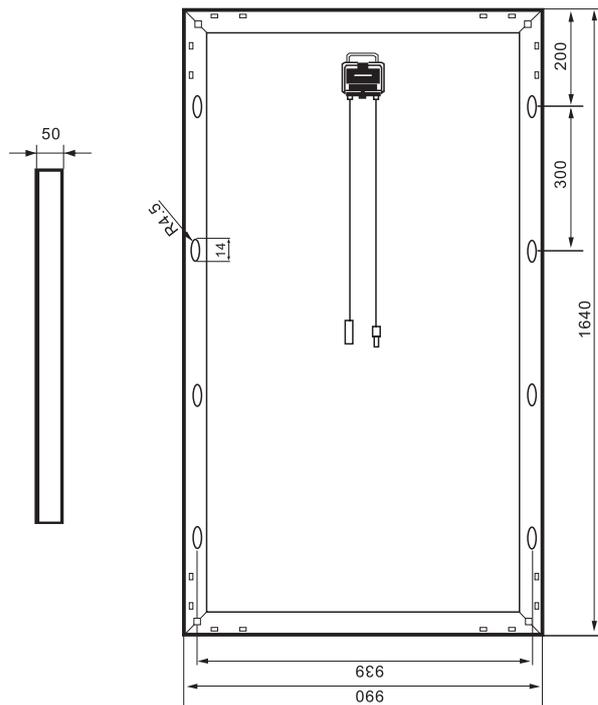
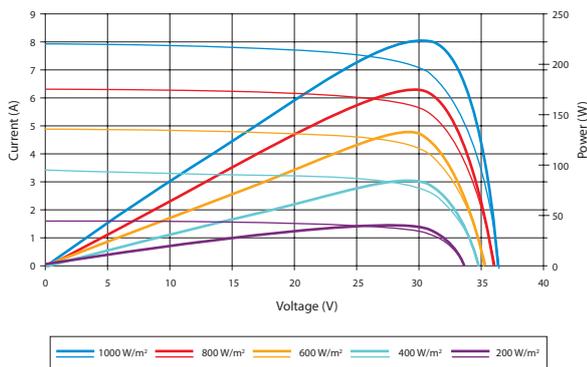
MODULE DIMENSIONS

Module Size	1640x990x50mm
Weight	19Kg (41.9lbs)

PACKING DATA

Container	40'HC	40'GP	20'GP
Quantity / Pallet	46	40	40
Quantity / Container	644	500	240

Current-Voltage & Power-Voltage Curve



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

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