

**Monocrystalline Solar Photovoltaic Module**  
With PERC Cell Technology

**FDS280-24M370**



**WHY FORTUNES SOLAR MODULE**

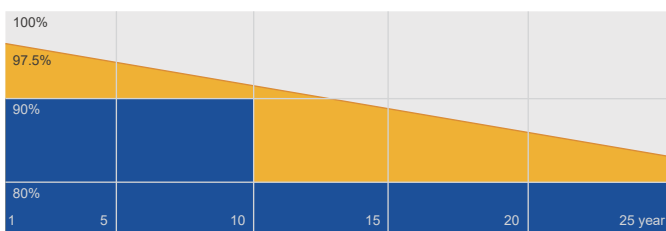
- Antireflective coating and highly transparent solar glass maximizing energy yield
- Quality test during all manufacturing process. Only modules that achieve the designated nominal performance or greater in tests are dispatched
- High yield under weak light condition by using high efficient cells
-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

**APPLICATION**

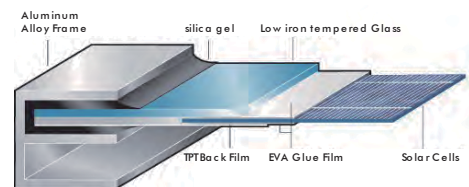
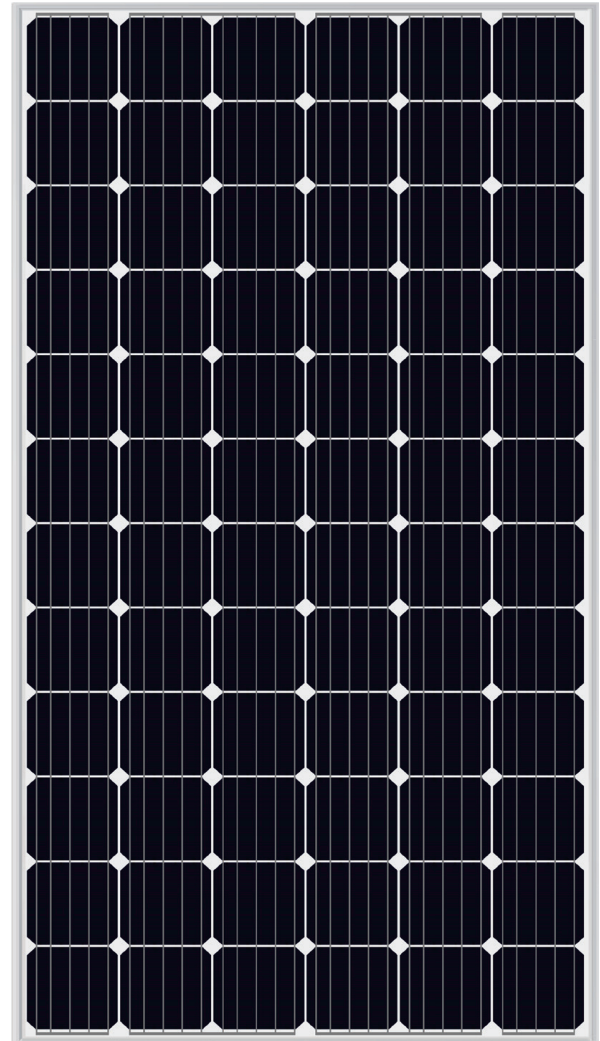
- Commercial/industrial building roof top system
- Residential roof top system
- Solar power plants
- Off-grid system
- Other grid-tied application

**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.	FDS280-24M370
Maximum Power (Pmax)	370WP
Maximum Power Voltage (Vmp)	38.3V
Maximum Power Current (Imp)	9.66A
Open Circuit Voltage (Voc)	46.6V
Short Circuit Current (Isc)	10.44A
Power Tolerance (%)	0 - +3
Maximum System Voltage (Vdc)	600V(UL) / 1000V(TUV)DC
Module Efficiency	18.66.0%

STANDARD TEST CONDITIONS (STC) - AM 1.5; IRRADIATION 1000W/M<sup>2</sup> CELL TEMP. 25 °C

**CELL TECHNOLOGY AND MECHANICAL DATA**

Cells Type and Size	PERC Monocrystalline 158.75 x 158.75mm
Number and Array of Cell	72pcs / 6 x 12
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 <sup>2</sup> / UL12AWG; Length 900mm / 1200mm

**THERMAL PERFORMANCE**

Temp. coefficient of Pmax (%/°C)	-0.37
Temp. coefficient of Voc (%/°C)	-0.28
Temp. coefficient of Isc (%/°C)	0.05
Nominal operating Cell Temp.(NOCT)	45 ± 2°C
Operating and Storage Temp.	-20+85

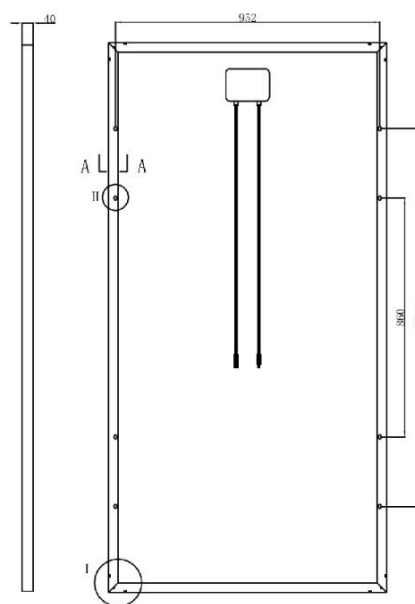
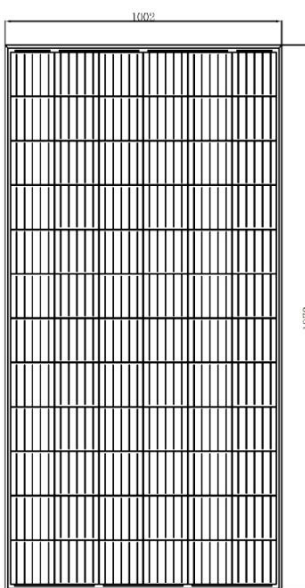
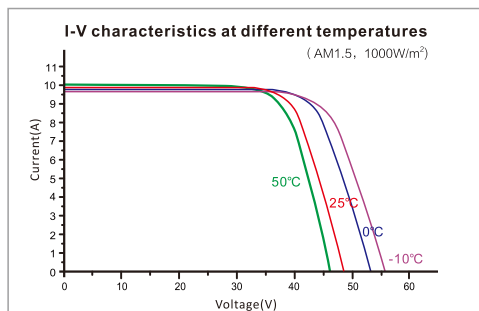
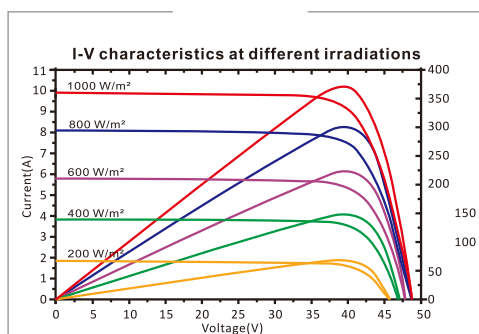
**MODULE DIMENSIONS**

Dimension	1979x1002x40mm
Weight	22.5kg

**PACKING DATA**

	40'HC	20'GP
Modules/Pallet	26	26
Pallets/Container	22	10
Modules/Container	572	260

**ELECTRICAL CURVES**



Unit: mm[inch]

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