

# MONOCRYSTALLINE SOLAR MODULE

## 325~335 Watt



### PRODUCT | KEY FEATURES



Excellent module efficiency  
up to 17.3%



Positive tolerance of up to  
5% delivers higher outputs  
reliability



Excellent weak light  
performance  
Excellent performance  
under low light conditions



Current sorting process  
System output maximized by reducing  
mismatch losses up to 2% with modules  
sorted & packaged by amperage



IP67 junction box available  
long-term weather endurance

### THE BEST IN CLASS

Based on the core concept of creating value for society, customers and enterprises, we will become the leading supplier of photovoltaic products.

### PRODUCT | WARRANTY & INSURANCE



- 97% in the first year, for years 2 through 25 years, 0.7% maximum decrease from module's nominal power output per year . To ensure no less than 80% after 25 years .
- 10- year material and workmanship warranty

### PRODUCT & MANAGEMENT SYSTEM | CERTIFICATES

#### CERTIFICATIONS & STANDARD

IEC 61215/IEC61730: CE/TUV/JET

ISO9001:2008 | QUALITY MANAGEMENT SYSTEM

ISO14001:2004 | STANDARD FOR ENVIRONMENTAL MANAGEMENT SYSTEM

BS OHSAS 18001:2007



### ABOUT FENGYUAN

ZhenJiang Fengyuan New Energy Technology Co.,Ltd., established in June 26 2016, located in No.1 mingzhu south road, Youfang ,ZhenJiang ,Jiangsu Province,covers an area of 260 acres.

Now, we have 600 staff,mainly engaged in solar photovoltaic components manufacturing, sales and related technology research and development.As humans around the worldd advocate environmental protection,photovoltaic products will enter homes.We have achieved annual sales of 500MW modules.

## ELECTRICAL DATA | STC

### Electrical Data

FY325S-24/Vd FY330S-24/Vd FY335S-24/Vd

Maximum Power at STC (Pmax)	325W	330W	335W
Optimum Operating Voltage (Vmp)	38.8V	39.3V	39.8V
Optimum Operating Current (Imp)	8.38A	8.40A	8.42A
Open Circuit Voltage (Voc)	47.3V	47.9V	48.1V
Short Circuit Current (Isc)	8.91A	8.92A	8.94A
Module Efficiency	16.7%	17.0%	17.3%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000 V DC (IEC)		
Maximum Series Fuse Rating	20 A		
Power Tolerance	0/+5 %		

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5;  
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

### Noct

FY325S-24/Vd FY330S-24/Vd FY335S-24/Vd

Maximum Power at NOCT (Pmax)	234W	237W	240W
Optimum Operating Voltage (Vmp)	33.4V	33.6V	33.8V
Optimum Operating Current (Imp)	7.00A	7.05A	7.10A
Open Circuit Voltage (Voc)	41.4V	41.5V	41.6V
Short Circuit Current (Isc)	7.51A	7.59A	7.64A

NOCT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;  
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

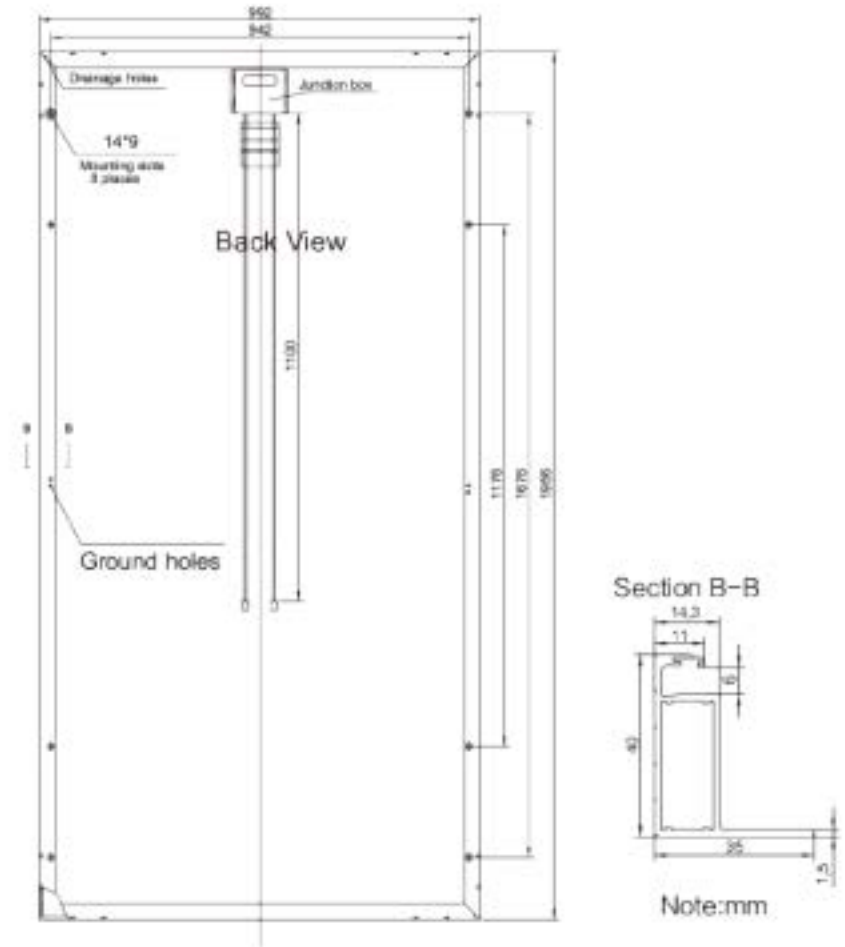
## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.43 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

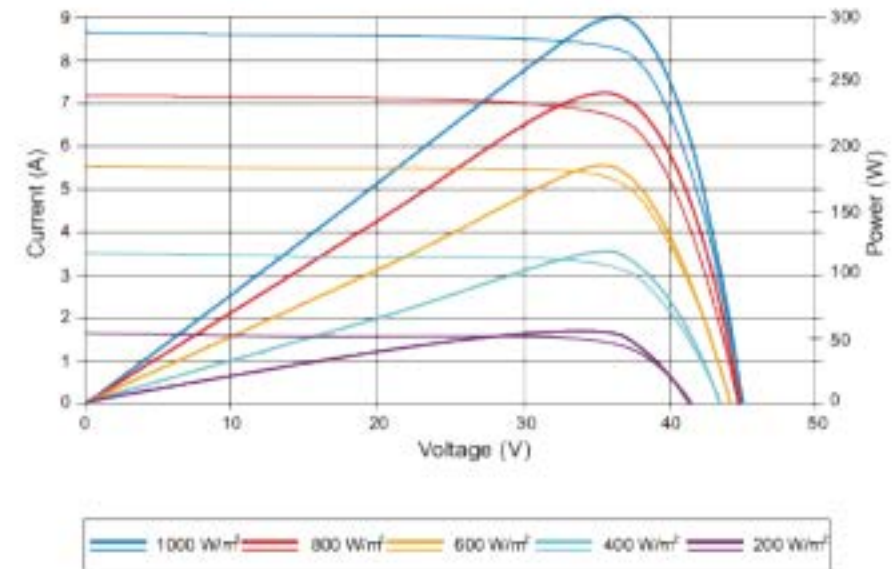
## Mechanical Characteristics

Solar Cell	Monocrystalline silicon 156 × 156 mm
No. of Cells	72 (6 × 12)
Dimensions	1956 × 992 × 40mm
Weight	25.8 kg
Front Glass	4.0 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	TUV (2 PFG 1169/08.07) 4.0 mm <sup>2</sup> , symmetrical lengths (-) 1100mm and (+) 1100 mm
Connectors	TL connectors

## MODULE | ENGINEERING DRAWING



## Current-Voltage & Power-Voltage Curve (300-24)



Excellent performance under weak light conditions: at an irradiance intensity of 200<sup>W</sup>/m<sup>2</sup> (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m<sup>2</sup>) is achieved