340~350 WATT MONOCRYSTALLINE SOLAR MODULE

FENGYUAN

340-350W
POWER OUTPUT RANGE

0/+5%
POWER TOLERANCE

Model No.:
FY340-24/Vd
FY345-24/Vd
FY350-24/Vd

PRODUCT & MANAGEMENT SYSTEM CERTIFICATES

CERTIFICATIONS&STANDARD

IEC 61215/IEC61730: CEC/CE/TUV/JET

IS09001: 2008 | QUALITY MANAGEMENT SYSTEM

IS014001: 2004 | STANDARD FOR ENVIRONMENTAL MANAGEMENT SYSTEM

BS OHSAS 18001: 2007

FEATURES

Excellent Efficient — Excellent Module Efficiency Up To 18.5%

0/+5% — Positive Tolerance Of Up To 5% Delivers Higher Outputs Reliality

Weak light — Excellent weak light performance
Excellent performance under low light conditions

2% — Current sorting process system output maximized by reducing mismatch losses up to 2% with modules sorted & packaged amerage

IP67 — IP67 junction box available long-term weather endurance

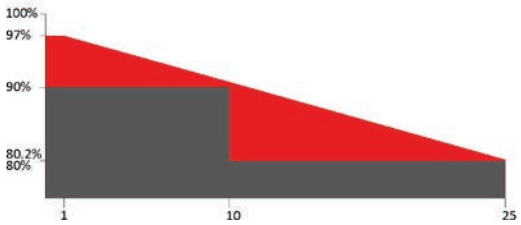
GLOBAL LEADING QUALITY

Based on the core of creating value for socielty, customers and enterprises. we strive for becoming the leading supplier of photovoltaic products.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



Not less than 97% of nominal power in the first year. Annual power attenuation does not exceed 0.7% of nominal power from the 2nd year to the 25th year.

10- year material and workmanship warranty

Electrical Characteristics

STC	FY340-24/Vd	FY345-24/Vd	FY350-24/Vd
Maximum Power (Pmax)	340	345	350
Maximum Power Voltage (Vmp)	37.7	38.1	38.3
Maximum Power Current (Imp)	9.02	9.06	9.14
Open-circuit Voltage (Voc)	46.8	47	47.2
Short-circuit Current (Isc)	9.42	9.47	9.55
Module Efficiency (%)	17.7	18.1	18.5
Operating Temperature (°C)	-40°C to 85°C		
Maximum System Voltage	1000 V DC (IEC)		
Maximum Series Fuse Rating	20A		
Power Tolerance	0/+5%		

STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5.
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%

NOCT	FY340-24/Vd	FY345-24/Vd	FY350-24/Vd
Maximum Power (Pmax)	244	248	252
Maximum Power Voltage (Vmp)	34.1	34.4	34.7
Maximum Power Current (Imp)	7.15	7.17	7.20
Open-circuit Voltage (Voc)	42.1	42.3	42.5
Short-circuit Current (Isc)	7.67	7.70	7.73

NOCT: Irradiance 800W/m², Cell temperature 20°C, AM=1.5.
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%

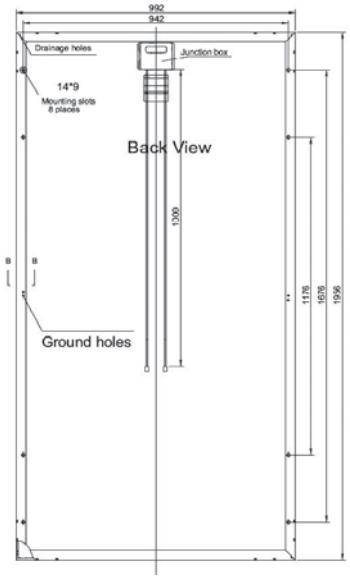
Mechanical Characteristics

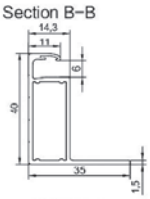
Solar Cell	Monocrystalline silicon 156.75 x 156.75mm
No. of Cells	72 (6×12)
Module Dimensions	1956×992×40mm
Weight	21.5kg
Front Glass	4.0mm tempered glass
Frame	Anodized Aluminium Alloy
J-box	IP 67 rated (3 bypass diodes)
Output Cables	TUV(2 PFG 1169/08.07) 4.0 mm², symmertical lengths (-)900mm and (+)900 mm
Connector	TL connectors

Packaging Configuration

	20′ GP	40′ HC
Pieces per pallet	30/27	30/27
Pallets per container	12/12	28/28
Pieces per container	360/324	840/756

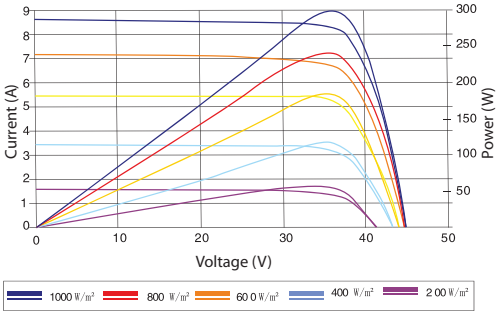
Dimensions





Note:mm

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



Excellent performance under weak light conditions: at an irradiation intensity of 200²W/m(AM 1.5, 25°C), 95.5% or higher of the STC efficiency(1000 W/m²) is achieved

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

CAUTION: Read installation manual before using the product.