

# SOLAR FAB

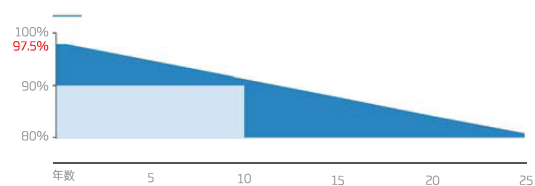


## High Efficiency Mono PERC with Half-cut cell Module 320~340W

### Global leading quality

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

### PRODUCT | WARRANTY&INSURANCE



### PRODUCT KEY FEATURES

**120(6\*20) pcs Mono Half-cut  
cells module**

**320-340W output power**

**20.1% High Module Efficiency**

**0~+5W Positive Tolerance**

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

### PRODUCT&MANAGEMENT SYSTEM CERTIFICATES

#### CERTIFICATIONS&STANDARD

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

ISO9001 : 2008 | QUALITY MANAGEMENT SYSTEM

ISO14001 : 2004 | STANDARD FOR ENVIRONMENTAL  
MANAGEMENT SYSTEM

BS OHSAS 18001 : 2007



Half-cut Cell Technology  
Uniquely designed High Performance  
5 busbar mono PERC half cell



Shade Tolerance  
More Shade Tolerance due to twin arrays.



Strength and Durability certified for Testing



Withstands Mechanical loading of 5400pa,  
snow load on front and 2400pa for wind  
load on rear side.

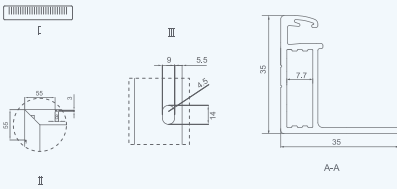
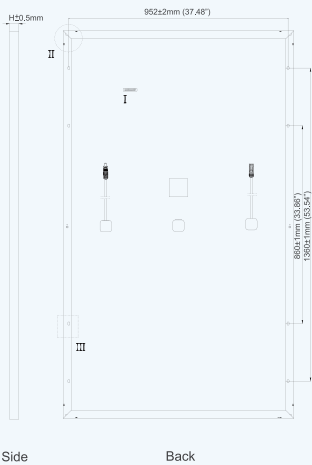
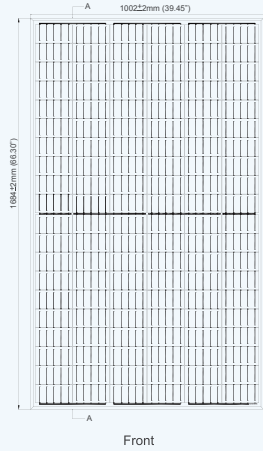


### About Solar Fab

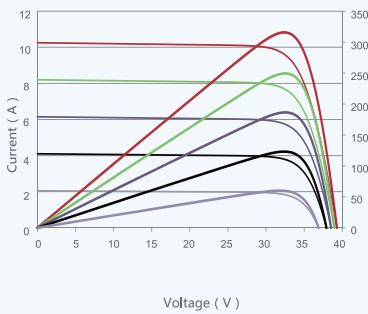
Zhenjiang Fengyuan New Energy Science & Technology Co.,Ltd.(Solar Fab)was founded in 2006, with over 600 employees, covering an area of 260 acres, the company mainly specializes in solar photo voltaic module manufacturing, sales and R&D. Our factory is located in No.1 South Mingzhu Road, Youfang Town, Yangzhong, Jiangsu, China. And our capacity reached 1GW in 2018.

**Module Type** | **Power Range**  
320-340W

**Module Drawing(mm)**



**Current-Voltage & Power-Voltage Curves (320W)**



**Electrical Characteristics**

Maximum Power at STC(Pmax)	320W	325W	330W	335W	340W
Module Type	FY60PE-320GM	FY60PE-325GM	FY60PE-330GM	FY60PE-335GM	FY60PE-340GM
Voltage at Maximum Power-Vmpp(V)	33.4	33.6	33.8	34	34.2
Current at Maximum Power-Imp(A)	9.59	9.68	9.77	9.87	9.97
Open Circuit Voltage-Voc(V)	40.9	41.1	41.3	41.5	41.7
Short Circuit Current-Isc (A)	10.15	10.20	10.31	10.36	10.41
Module Efficiency (%)	18.96	19.26	19.56	19.85	20.1

STC (Standard Testing Conditions): Irradiance 1000w/m<sup>2</sup>, Cell Temperature 25 C, spectra at AM1.5.

**Electrical Characteristics**

Maximum Power at NOCT(Pmax)	239W	242W	246W	250W	254W
Module Type	FY60PE-320GM	FY60PE-325GM	FY60PE-330GM	FY60PE-335GM	FY60PE-340GM
Voltage at Maximum Power-Vmpp(V)	31.4	31.6	31.8	32	32.2
Current at Maximum Power-Imp(A)	7.62	7.66	7.74	7.82	7.88
Open Circuit Voltage-Voc(V)	37.8	38.0	38.2	38.4	38.6
Short Circuit Current-Isc (A)	8.44	8.54	8.65	8.74	8.85

NOCT: (Nominal Operating Cell Temperature): Irradiance: 800w/m<sup>2</sup>, Ambient Temperature 20 C, spectra at AM1.5, wind at 1m/s.

**Mechanical Characteristics**

Cell Type	158.75*158.75 Mono PERC cell
Cell No.	120(60*2)
Dimension	1684*1002*35mm
Weight	18.2kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67(3 bypass diodes)
Cable	4.0mm <sup>2</sup> PV Cable

**Temperature Ratings(STC)**

NOCT(Nominal Operating Cell Temperature)	45+/-2 C	Operating Cell Temperature	-40--+85 C
Temperature Coefficient of Pmax	-0.43%/C	Maximum System Voltage	1000V DC(IEC)
Temperature Coefficient of Voc	-0.33%/C	Maximum Series Fuse Rating	15A
Temperature of ISC	0.067% C		

**Packing Configuration**

Pcs per pallet:	30
Pcs per 40 HC:	780