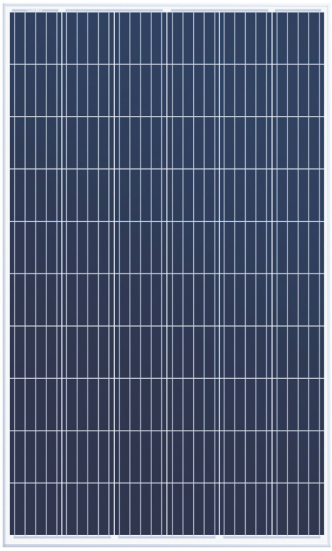
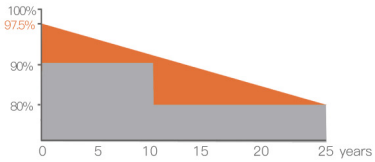
BRANIK

FSPA5 60 Cell (5BB)



- Excellent module power up to 280W
- Excellent energy generation in weak light
- Stable performance due to the IP67 waterproof junction box
- 0~+3% power output
- PID free module
  Anti-PID material
  Anti-PID cell technology
- Wind load of up to 2400 Pa and heavy snow load of up to 5400 Pa



>First year power attenuation 2.5% and annual power attenuation of 0.7% afterwards

>Over 80% power output warranty for 25 years

Certificate

- ISO 9001 Quality management system certificate and ISO 14001Environmental management system certificate
- OHSAS 18001 International standards for occupational health and safety
- IEC 61215 and IEC 61730 A level certifacation

Item	FS-255P-Aa	FS-260P-Aa	FS-265P-Aa	FS-270P-Aa	FS-275P-Aa	FS-280P-Aa
Max. Power (Pmax)	255W	260W	265W	270W	275W	280W
Opt. Operating Current (Imp)	8.28A	8.39A	8.51A	8.61A	8.69A	8.78A
Opt. Operating Voltage (Vmp)	30.80V	31.02V	31.22V	31.43V	31.65V	31.89V
Short Circuit Current (Isc)	8.86A	8.96A	9.05A	9.14A	9.23A	9.32A
Open Circuit Voltage (Voc)	37.69V	37.89V	38.09V	38.28V	38.46V	38.64V
Module Efficiency	15.70%	16.00%	16.30%	16.60%	16.90%	17.20%
Module Power Tolerance	0/+3%					
Operating Temperature	-40℃~+85 ℃					
Max. System Voltage	1000V/1500V DC(IEC)					
Max. Nominal Fuse Current	15A					
Application Level	A					
STC	Irradiance 1000W/m²,Module temperature25℃,AM1.5					
NOCT	Irradiance 800W/m²,Module temperature20℃,AM1.5,Wind speed1m/s					

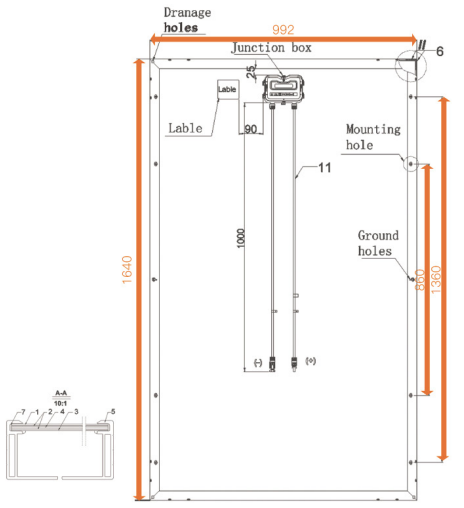
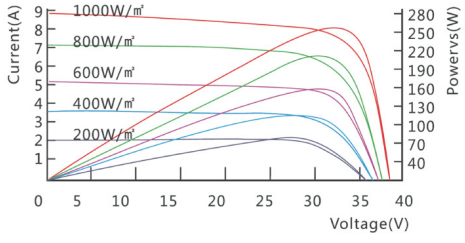
Temperature characteristics	
Nominal Operating Cell Temperature	45±2℃
Temperature Coefficient (Pmax)	-0.410%/℃
Temperature Coefficient (Voc)	-0.340%/ ℃
Temperature Coefficient (Isc)	+0.049%/℃

Mechanical Data	
CELL TYPE	156.75×156.75mm Polycrystalline
Cell Arrangement	60 (6×10)
Dimensions	1640×992×35mm
Weight	18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67 ,3 diodes
Cable	TUV(2Pfg1169:2007)
	4.0mm²(0.006inches²),(-)1000mm(39.4inches)and(+)1000mm(39.4inches)
Connector	MC4

Performance under low irradiation

Industry-leading performance under low irradiance conditions. The module efficiency of irradiance 200W/M2 is above 96.5% of the irradiance 1000W/M2 module efficiency.

Engineering Drawing



I-V Curves Of PV Module