

FSMA4 60 Cell (4BB)



Excellent module power up to 295W



0~+3% power output



Excellent energy generation in weak light



PID free module
Anti-PID material
Anti-PID cell technology



Stable performance due to the IP67 waterproof junction box



Wind load of up to 2400 Pa and heavy snow load of up to 5400 Pa



Certificate

- ◆ ISO 9001 Quality management system certificate and ISO 14001 Environmental management system certificate
- ◆ OHSAS 18001 International standards for occupational health and safety
- ◆ IEC 61215 and IEC 61730 A level certification
- ◆ Additional value from Fullstar linear warranty lower annual power attenuation and higher reliability
 - > First year power attenuation 2.5% and annual power attenuation of 0.7% afterwards
 - > Over 80% power output warranty for 25 years

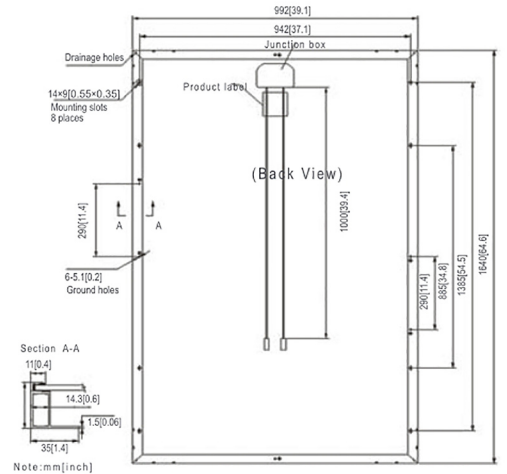


Item	FS-275M-Da	FS-280M-Da	FS-285M-Da	FS-290M-Da	FS-295M-Da
Max. Power (Pmax)	275W	280W	285W	290W	295W
Opt. Operating Current (Imp)	8.84A	8.91A	8.97A	9.07A	9.19A
Opt. Operating Voltage (Vmp)	31.11V	31.43V	31.78V	31.98V	32.11V
Short Circuit Current (Isc)	9.21A	9.32A	9.43A	9.53A	9.65A
Open Circuit Voltage (Voc)	39.04V	39.22V	39.40V	39.58V	39.76V
Module Efficiency	16.9%	17.2%	17.5%	17.8%	18.1%
Module Power Tolerance	0/+3%				
Operating Temperature	-40°C~+85°C				
Max. System Voltage	1000VDCVDC(IEC)				
Max. Nominal Fuse Current	20A				
Application Level	A				
STC	Irradiance 1000 W/m ² , Module temperature 25°C, AM 1.5				
NOCT	Irradiance 800 W/m ² , Module temperature 20°C, AM 1.5, Wind speed 1m/s				

Temperature characteristics	
Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient (Pmax)	-0.380%/°C
Temperature Coefficient (Voc)	-0.340%/°C
Temperature Coefficient (Isc)	0.049%/°C

Mechanical Data	
CELL TYPE	156×156mm Monocrystalline (6 inches)
Cell Arrangement	60(6×10)
Dimensions	1640×992×40mm(64.6×39.1×1.4)
Weight	18kg
Front Cover	3.2mm(0.13 inches) tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67,3 diodes
Cable	TUV(2Pfg1169:2007)
	4.0mm ² (0.006 inches ²),(-)1000mm(39.4inches)and(+)1000mm(39.4inches)
Connector	PV-ZH202

Engineering Drawing



I-V Curves Of PV Module

