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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Ningbo Fullstar Solaris Co., Ltd.  
FSMB5 72 Cell (5BB)  
FS-350M-Db**

Also available on the web at  
[EnergyPal.com/ningbo-fullstar-solaris-co-ltd-solar-panels/fs-350m-db](http://EnergyPal.com/ningbo-fullstar-solaris-co-ltd-solar-panels/fs-350m-db)

## FSMB5 72 Cell (5BB)



Excellent module power up to 350W



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

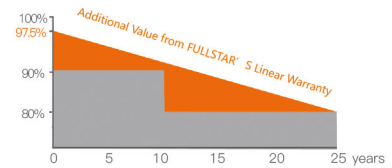
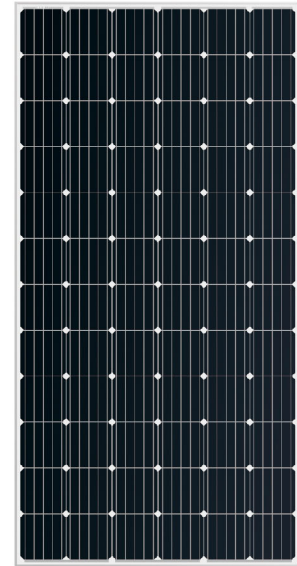


Wind load of up to 2400 Pa and heavy snow load of up to 5400 Pa

### 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 0.5% afterwards  
>Over 80% power output warranty for 25 years



Item	FS-325M-Db	FS-330M-Db	FS-335M-Db	FS-340M-Db	FS-345M-Db	FS-350M-Db
Max. Power (Pmax)	325W	330W	335W	340W	345W	350W
Opt. Operating Current (Imp)	8.78A	8.86A	8.95A	9.03A	9.12A	9.21A
Opt. Operating Voltage (Vmp)	37.02V	37.25V	37.44V	37.66V	37.83V	38.01V
Short Circuit Current (Isc)	9.22A	9.29A	9.38A	9.47A	9.54A	9.63A
Open Circuit Voltage (Voc)	45.97V	46.11V	46.25V	46.36V	46.47V	46.62V
Module Efficiency	16.70%	17.00%	17.20%	17.50%	17.70%	18.00%
Module Power Tolerance	0/+3%					
Operating Temperature	-40°C~+85 °C					
Max. System Voltage	1000VDC(IEC)					
Max. Nominal Fuse Current	15A					
Application Level	A					
STC	Irradiance 1000W/m <sup>2</sup> ,Module temperature25°C,AM1.5					
NOCT	Irradiance 800W/m <sup>2</sup> ,Module temperature20°C,AM1.5,Wind speed1m/s					

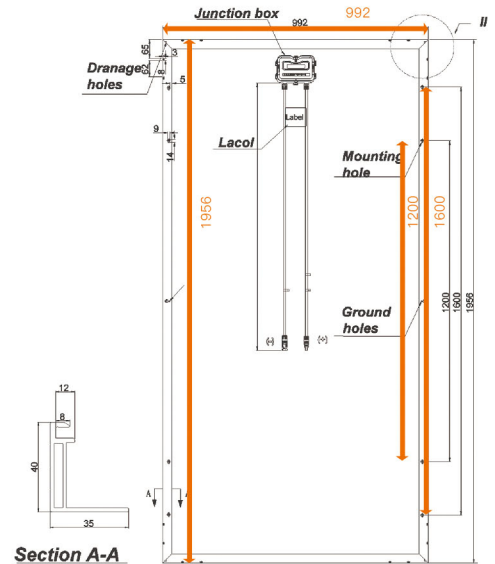
Temperature characteristics	
Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient (Pmax)	-0.410%/°C
Temperature Coefficient (Voc)	-0.340%/°C
Temperature Coefficient (Isc)	+0.049%/°C

Mechanical Data	
CELL TYPE	156.75x156.75mm Monocrystalline
Cell Arrangement	72 (6x12)
Dimensions	1956x992x40mm
Weight	28kg
Front Cover	4.0mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67 ,3 diodes
Cable	TUV(2Pfg1169:2007)
Connector	4.0m <sup>2</sup> (0.006inches <sup>2</sup> ),(-)1000mm(39.4inches)and(+)1000mm(39.4inches) MC4

Packaging specification		
Container	20° GP	40° HC
Module quantity per pallet	25	25
Pallet quantity per container	12	24
Module quantity per container	300	600

**Performance under low irradiation**  
Industry-leading performance under low irradiation conditions. The module efficiency of irradiance 200W/m<sup>2</sup> is above 96.5% of the irradiance 1000W/m<sup>2</sup> module efficiency

### Engineering Drawing



### I-V Curves Of aPV Module

