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# **EnergyPal**

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

**Ningbo Fullstar Solaris Co., Ltd.  
FSMB4 72 Cell (4BB)  
FS-335M-Db**

Also available on the web at  
[EnergyPal.com/ningbo-fullstar-solaris-co-ltd-solar-panels/fs-335m-db](http://EnergyPal.com/ningbo-fullstar-solaris-co-ltd-solar-panels/fs-335m-db)

# FSMB4 72 Cell (4BB)



Excellent module power up to 345W



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

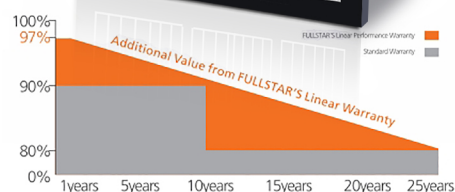


Wind load of up to 2400 Pa and heavy snow load of up to 5400 Pa



## 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

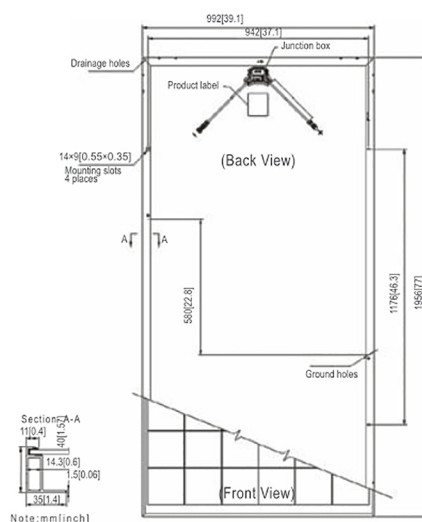


Item	FS-325M-Db	FS-330M-Db	FS-335M-Db	FS-340M-Db	FS-345M-Db
Max. Power (Pmax)	325W	330W	335W	340W	345W
Opt. Operating Current (Imp)	8.78A	8.86A	8.95A	9.03A	9.12A
Opt. Operating Voltage (Vmp)	37.02V	37.25V	37.44V	37.66V	37.83V
Short Circuit Current (Isc)	9.22A	9.29A	9.38A	9.47A	9.54A
Open Circuit Voltage (Voc)	45.97V	46.11V	46.25V	46.36V	46.47V
Module Efficiency	16.5%	16.7%	17.0%	17.2%	17.5%
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 <sup>2</sup> , Module temperature 25°C, AM 1.5				
NOCT	Irradiance 800 W/m <sup>2</sup> , 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	156x156mm Monocrystalline (6 inches)
Cell Arrangement	72(6x12)
Dimensions	1956x992x40mm(77.0x39.1x1.6 inches)
Weight	28kg
Front Cover	4.0mm(0.16 inches) tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	TUV(2Pfg 1169:2007) 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), (-)1000mm(39.4inches) and (+)1000mm(39.4inches)
Connector	PV-ZH202

## Engineering Drawing



## I-V Curves Of PV Module

