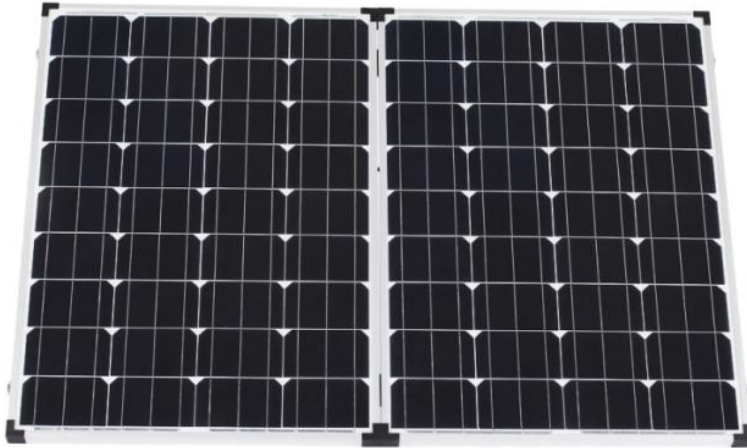




# FOLDING SOLAR PANEL



## TS-FR200M

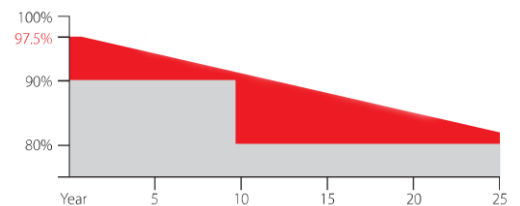


-  High conversion efficiency
-  Extremely environmental testing
-  Salt mist corrosion resistant
-  IP67 Junction box
-  Strong compressive strength
-  Fire test approved
-  PID Resistant

## GIVING YOU MORE

-  3% positive tolerance
-  Authorised photovoltaic certificates

-  Series of internal harsh tests
-  Linear performance warranty



[www.topsolar-energy.com](http://www.topsolar-energy.com)

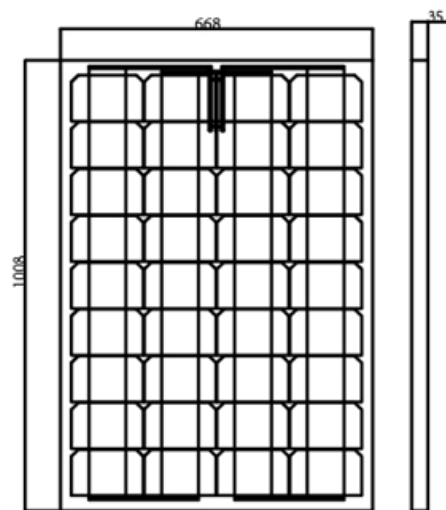
Shenzhen Top Solar Energy Co.,Ltd.  
F4,Building C,Zhonghengxinda Industrial Park,  
Shajing Town,Baoan District,Shenzhen City,Guangdong Province,China  
Tel:86 755 85224431 Fax:86 755 28167996 Email:info@topsolar-energy.com

### Electrical Characteristics under STC\*

Model No.:	TS-FR200M
Maximum Power-Pmax(Wp)	2*100W
Voltage at Maximum Power-Vmp(V)	18.86V
Current at Maximum Pwer-Imp(A)	10.61A
Open Circuit Voltage-Voc(V)	22.64V
Short Circuit Current Isc(A)	11.67A
Solar Panel Efficiency(%)	15.70
Power Tolerance(%)	0/+3

### Mechanical Characteristics

Cell Tye	Monocrystalline	156*156mm
Number of Cells	72(4*9*2pcs)	
Folded Dimension	1008*668*70mm	
Weight	17.6kg	
Frongt Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	



正面  
Front

侧面  
Side

### Temperature Characteristics

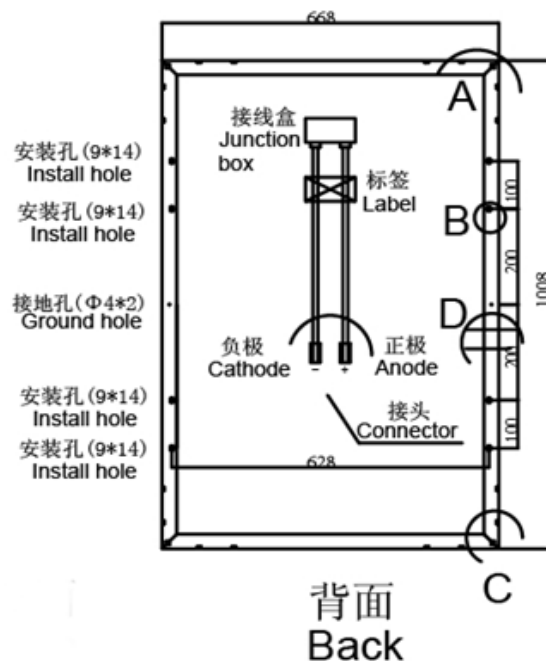
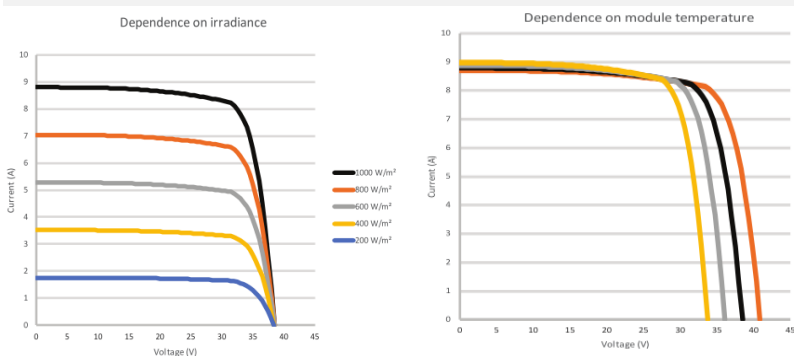
NOCT*	47±2℃
Temperature Coefficient of Pmax(%)	-0.45/℃
Temperature Coefficient of Voc(%)	-0.35/℃
Temperature Coefficient of Isc(%)	0.04/℃

### Maximum System Ratings

Operating Temperature	-40℃ to +85℃
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	15A

### Warranty

- 12 years product warranty
- 12 years warranty on 90% power output
- 25 years warranty on 80% power output



背面  
Back

\*STC(Standard Testing Consitions):Irradiance 1000W/m<sup>2</sup>,cell temperatre 25℃,AM=15  
ambient temperature 20℃,wind speed 1m/s

\*NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m<sup>2</sup>

The specifications in this datasheet are subjected to change without prior notice