

Half Cell Monocrystalline Solar Module Classic Series

G1/158.75 Cells Series FDS-G1M-72-400
400~410W FDS-G1M-72-405
FDS-G1M-72-410



PID Resistance



5 Bus Bar Half Cut Cell
with PERC technology



Combined with the roof
for A better visual
appearance



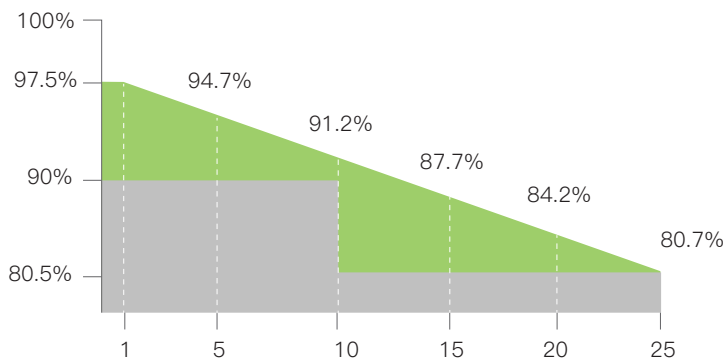
Strengthened mechanical
support 5400 Pa snow &
2400 Pa wind load



0~3% positive tolerance



Saving BOS cost



Additional value from Fortunes Solar linear warranty

- 25 year linear performance warranty from FST
- Standard performance warranty

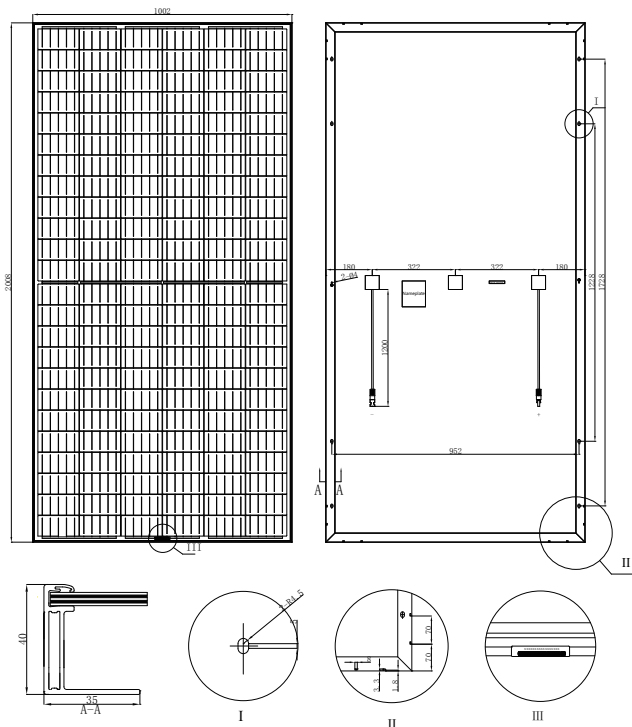
Half Cell(6x24) Monocrystalline Solar Module

Module Type		FDS-G1M-72-400		FDS-G1M-72-405		FDS-G1M-72-410	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT
Tolerance	(%)	0~+3		0~+3		0~+3	
Module Efficiency	(%)	19.80		20.10		20.30	
Maximum Power	Pmax(W)	400	296	405	300	410	303
Open Circuit Voltage	Voc(V)	49.50	45.56	49.81	45.81	50.12	46.06
Short Circuit Current	Isc(A)	10.26	8.28	10.32	8.33	10.37	8.38
Maximum Power Voltage	Vm(V)	41.17	37.76	41.46	38.03	41.76	38.28
Maximum Power Current	Im(A)	9.72	7.84	9.77	7.88	9.82	7.93
Cell Type	(mm)	158.75×79.375(Mono-Crystalline Silicon)					
Number of Cells	(Pcs)	144(6×24)					
Maximum System Voltage	(V)	DC1000					
Temp. Coeff. of Voc	(%/°C)	-0.282					
Temp. Coeff. of Isc	(%/°C)	0.041					
Temp. Coeff. of Pm	(%/°C)	-0.387					
Operating Temperature	°C	-40 to 85					
Nominal Operating Cell Temperature (NOCT)	°C	45±2					
Max. Series Fuse	(A)	15					
Pressure Bearing	(Pa)	5400					
Wind Bearing	(Pa)	2400					

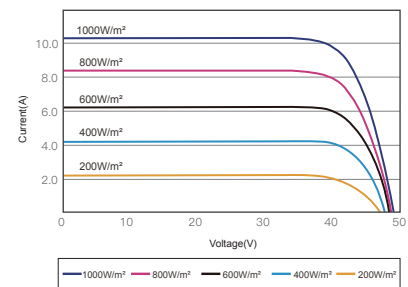
STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

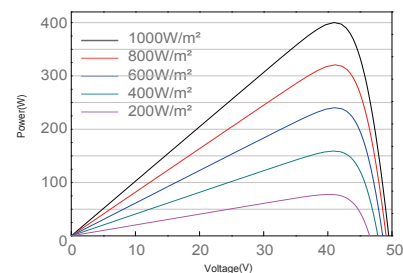
ENGINEERING DRAWINGS



I-V CURVES



I-V CURVES OF PV MODULE(400W)



P-V CURVES OF PV MODULE(400W)

MATERIAL DETAILS

Frame	Anodized aluminum
Glass	3.2mm low-iron tempered suede glass
Cell	6×24 pcs 158.75x79.375mm mono solar cell
Junction Box	Rated Current≥15A, Ip≥67, TUV & UL
Cable&Connector	4mm ² ,MC4 or MC4 compatible

PACKING DETAILS

Dimension	(mm)	2008×1002×40
Weight	(kg)	22.4
Loading Capacity		260 pcs/20'GP 638 pcs/40'HC
Packing	pcs/pallet	26