MULTITASK ELECTRONICS

Photovoltaic Module Monocrystalline

MEGS-50M MEGS-45M MEGS-40M

Quality and Safety

- Rigorous quality control meeting the highest international standards
- High-transmissivity low-iron tempered glass, strong aluminium frame Using UV-resistant silicon
- Safety Class II,conformity to CE

Features

- Aesthetic appearance with excellent efficiency based on innovative photovoltaic technologies
- High quality,strong aluminium frame,passing mechanical load testing 5400 Pa and wind pressure 2400Pa

Warranties

- 10 years limited product warranty
- 15 years at90% of the minimal rated power output
- 25 years at80% of the minimal rated power output

Certificates

Electrical Characteristics

Model	MEGS-40M	MEGS-45M	MEGS-50M
Maximum Power at STC (Pamx)	40W	45W	50W
Optimum Operating Voltage (Vmp)	17.6V	17.6V	17.8V
Optimum Operating Current (Imp)	2.273A	2.557A	2.809A
Open-Circuit Voltage (Voc)	21.8V	21.8V	22.4V
Short-Circuit Current (Isc)	2.548A	2.789A	3.017A
Solar Cell Efficiency (%)	15.2	17.0	18.0
Solar Module Efficiency (%)	11.64	13.1	14.56
Operating Temperature	-40to85℃		
Maximum System Voltage	DC1000		
Maximum Series Fuse Rating	15A		
Power Tolerance	+/-3%		
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5			

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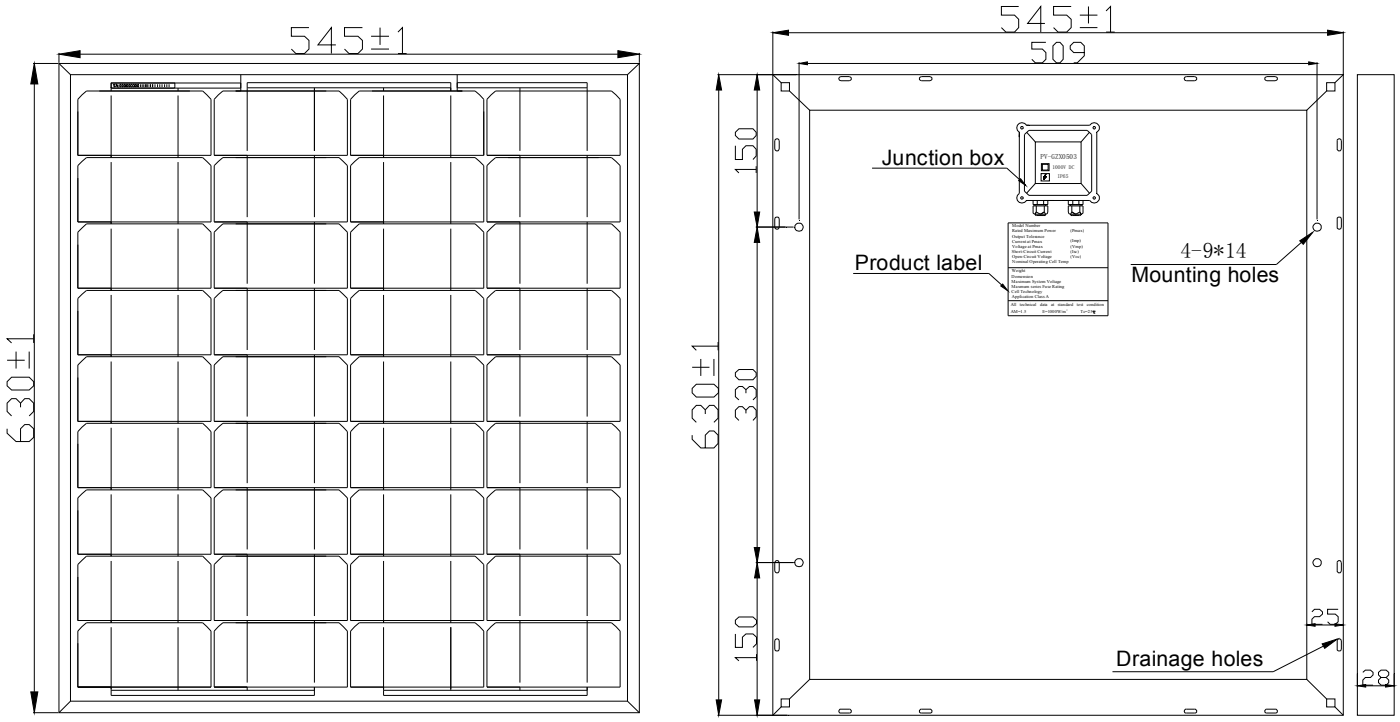
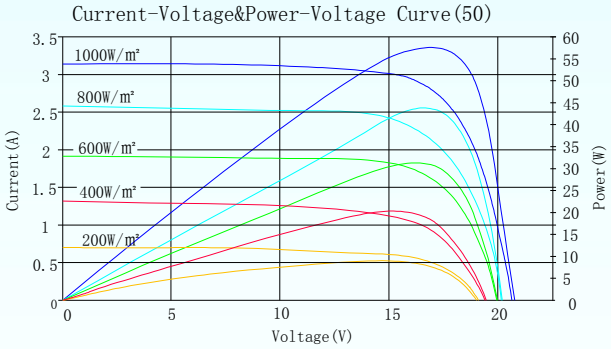
Engineering Drawings



Mechanical Characteristics

Solar cell	Mono-Crystalline125*62.5mm
No.of cells	36 (4×9)
Dimensions	630mm*545mm*28mm
Weight	4.2kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0801
Connector	/
Output cables	/
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves



Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	47℃+/-2℃
Temperature Coefficient of Pmax	-0.47%/K
Temperature Coefficient of VOC	-0.346%/K
Temperature Coefficient of ISC	+0.036%/K