



Features:

- High efficiency
- High transparent low-iron, tempered glass
- Unique techniques give the panel following features: aesthetic appearance, with stands high wind-pressure and snow load, and easy installation
- Outstanding low-light performance
- Nominal DC for standard output
- Unique technology ensure that problems of water freezing and warping do not occur
- Design to meet unique demand of customer

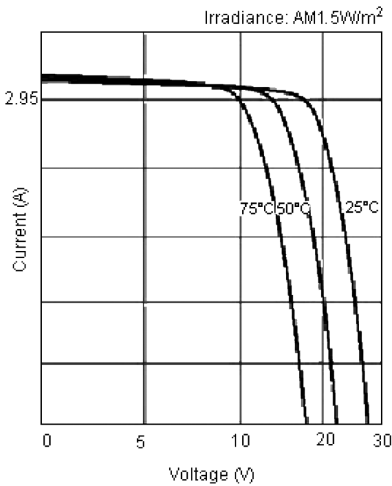
Specifications:

MONO or Poly	: Poly
Maximum Power	: 50Wp
Maximum Power Voltage	: 17V
Maximum Power Current	: 2.95A
Length	: 684mm
Width	: 690mm
Height	: 35mm
Weight Min	: 7.21kg
Open Circuit Voltage	: 21.5V
Short Circuit Current	: 3.2A
Package	: 1pc/box
Maximum System Voltage	: 720V DC
Temperature Coefficients of Isc	: 0.06%/K
Temperature Coefficients of Vo	: -0.36%/K
Temperature Coefficients of Pm	: -0.45%/K
Temperature Range	: -40°C to +85°C
Surface Maximum Load Capacity	: 60ms (200kg/sq.m)
Allowable Hail Load	: Steel ball fall down from 1m height
Length of Cables	: Terminals
Output Tolerance	: ±3%
Frame (Material, Corners, etc.)	: Aluminium (epx 0.8w)

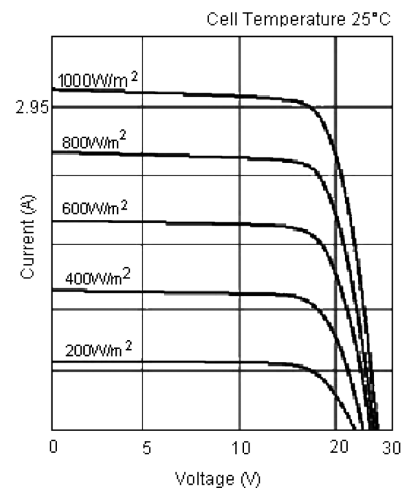
Electrical Characteristics

I-V Curves

Current-voltage characteristics of photovoltaic Module SP50 at various cell temperatures

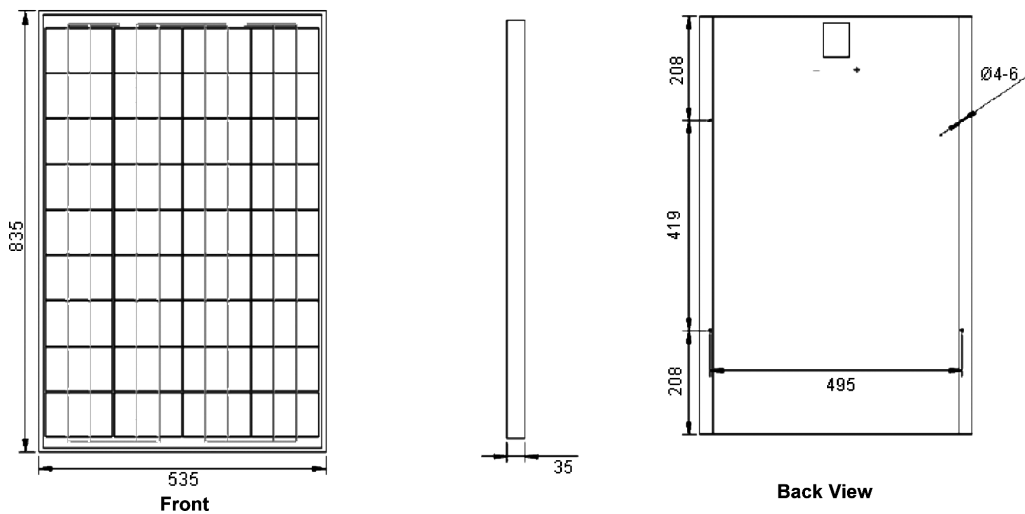


Current-voltage characteristics of photovoltaic Module SP50 at various irradiance levels



Physical Specifications

SP50



Dimensions : Millimetres

Part Number Table

Description	Part Number
Solar Panel, 50W, 17.5V, 690mm × 684mm × 35mm	MC-SP50-GCS

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