



## 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

## Quality Assurance:

Realsun photovoltaic modules have passed the following tests

Thermal cycling test

Thermal shock test

Thermal / freezing and high humidity cycling test

Electrical isolation test

Hail impact test

Mechanical, wind and twist loading test

Salt mist test

Light and water-exposure test

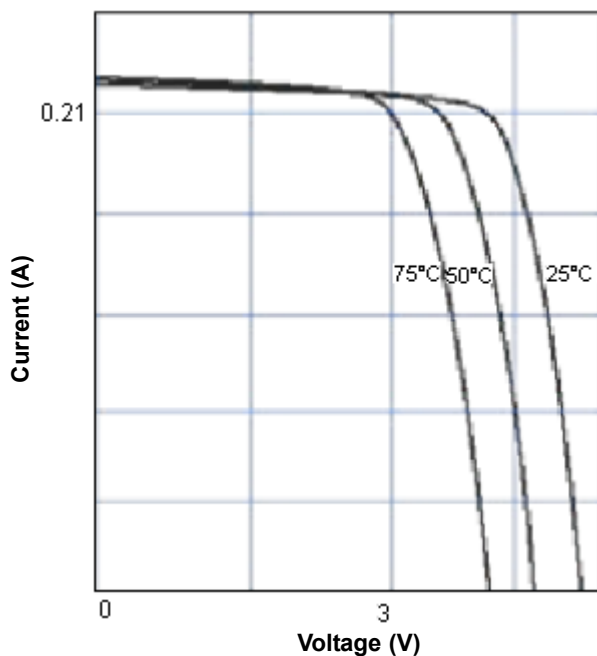
Field exposure test

## Electrical Characteristics:

### I-V Curves

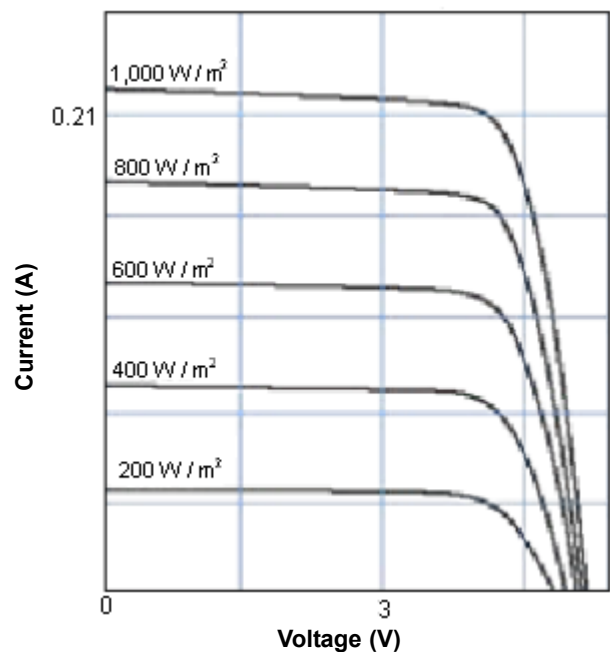
Current-voltage characteristics of photovoltaic  
Module SP 0.8 at various cell temperatures

Irradiance: AM1.5 W / m<sup>2</sup>



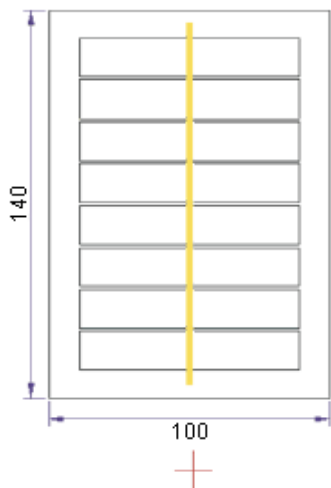
Current-voltage characteristics of photovoltaic  
Module SP0.8 at various irradiance levels

Cell Temperature 25°C



## Physical Specifications

SP0.8



Front  
Dimensions : Millimetres

## Specifications:

MONO or Poly	: Poly
Maximum Power	: 0.8 Wp
Maximum Power Voltage	: 3.85 V
Maximum Power Current	: 0.21 A
Open Circuit Voltage	: 4.8 V
Short Circuit Current	: 0.23 A
Size of Module	: 140 × 100 × 4.9 mm
Weight	: 0.02 Kg
Package	: 1 piece / box
Maximum System Voltage	: 720 V dc
Temperature Coefficients of Isc	: 0.06% / K
Temperature Coefficients of Voc	: -0.36% / K
Temperature Coefficients of Pm	: -0.45% / K
Temperature Range	: -40°C to +85°C
Surface Maximum Load Capacity	: 60 ms (200 kg / sq.m)
Allowable Hail Load	: Steel ball fall down from 1 m height
Length of Cables	: Terminals
Output Tolerance	: ±3%
Frame (material, corners, etc.)	: Aluminium (epx 0.8 w)
Warranty	: Free from defects in materials and workmanship for 5 years / 10 years on 90% of the minimum power output / 25 years on 80% of the minimum power output

## Part Number Table

Description	Part Number
Solar Panel, 0.8 W, 4 V, No Frame	MC-SP0.8-NF-GCS

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