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 SP0.8 at various cell temperatures

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

I-V Curves
Physical Specifications

Specifications:

- MONO or poly: Poly.
- Maximum power: 0.8Wp.
- Maximum power voltage: 3.85V.
- Maximum power current: 0.21A.
- Open circuit voltage: 4.80V.
- Short circuit current: 0.23A.
- Size of module: 140 x 100 x 4.9mm.
- Weight: 134g.
- Package: 1pc/box.
- Maximum system voltage: 720V 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: 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).
- 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar Panel, 0.8W, 4V, No Frame</td>
<td>MC-SP0.8-NF-GCS</td>
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</tbody>
</table>