

## SPM210P

### Multicrystalline Silicon Photovoltaic Module

#### FEATURE:

- TUV certification
- UL certification
- High power module using 6” Multicrystalline solar cell.
- Using low iron tempered glass, EVA laminate and black TPT backsheet.
- 3 diodes to increase shade tolerance.
- anodize aluminum frame protected.
- 10 years limited warranty of 90% power output and 25 years limited warranty of 80% power output.
- 180 pcs in 20’ container, 360 pcs in 40’ container.( 2 pcs in one carton)



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## ELECTRICAL CHARACTERISTICS

|                             | SPM230P  | SPM225P | SPM220P       | SPM215P | SPM210P        | SPM205P | SPM200P |
|-----------------------------|--|---------|---------------|---------|----------------|---------|---------|
| Power at STC (Pm)           | 230W   | 225W    | 220W          | 215W    | 210W           | 205W    | 200W    |
| Maximum power voltage (Vpm) | 30.96V   | 28.44V  | 30.20V        | 28.55V  | 28.97V         | 28.35V  | 28.44V  |
| Maximum power current (Ipm) | 7.43A  | 7.92A   | 7.32A         | 7.54A   | 7.25A          | 7.24A   | 7.04A   |
| Open circuit voltage (Voc)  | 36.95V   | 37.08V  | 36.9V         | 36.72V  | 35.9V          | 36.42V  | 36.24V  |
| Short circuit current (Isc) | 7.97A  | 8.27A   | 7.85A         | 8.0A    | 7.76A          | 7.77A   | 7.62A   |
| Tolerance                   | ±5%  | ±5%     | ±5%           | ±5%     | ±5%            | ±5%     | ±5%     |
| Module efficiency           | 14.38%   | 14.00%  | 13.60%        | 13.40%  | 13.05%         | 12.70%  | 12.4%   |
| Maximum system voltage      | 1000V DC   |         |               |         |                |         |         |
| Standard test conditions    | Temperature 25°C, Irradiance 1000W/m <sup>2</sup> , AM=1.5 |         |               |         |                |         |         |
| Temperature coefficient     | Isc: 0.07%/K   |         | Voc: -0.36%/K |         | Pmax: -0.45%/K |         |         |

### Specifications

|                            |  |
|----------------------------|--|
| Cell                       | Multicrystalline silicon solar cell, (156mmx156mm) |
| No. of cell and connection | 60 (6x10)  |
| Dimension                  | 1626mmx990mmx38.1mm                                |
| Weight                     | 24.3KG   |

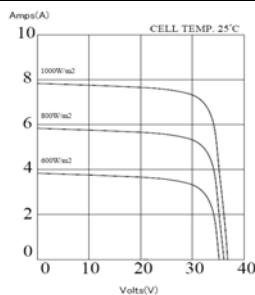
### AMBIENT CONDITIONS

|                       |                |
|-----------------------|----------------|
| Operating Temperature | -40°C to +85°C |
| Storage Humidity      | <90%           |

### Output

|                         |                                 |
|-------------------------|---------------------------------|
| Type of output terminal | Junction box                    |
| Cable                   | Length 900mm 4.0mm <sup>2</sup> |

### IV CURVES



### OUTLINE DIMENSIONS

