

SPECIFICATIONS

| | | |
|------------------------------|-------------------------------------|--------------------|
| CELL | Multicrystalline silicon solar cell | 78mmx26mm |
| No. of cells and connections | 36(4x9) | |
| Dimension of module | 350x300x25(mm) | 13.8x11.8x0.98(in) |
| Weight | 1.4kg | 3.11b |

Characteristics

| Model | SPM008P | SPM010P |
|----------------------------|---------|---------|
| Power at STC(Pm) | 8W | 10W |
| Maximum power voltage(Vpm) | 17.1V | 17.3V |
| Maximum power current(Ipm) | 0.46A | 0.59A |
| Open circuit voltage(Voc) | 21.0V | 21.8V |
| Short circuit current(Isc) | 0.61A | 0.64A |
| Tolerance | ± 5% | ± 5% |
| Module efficiency | 7.6% | 9.5% |

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

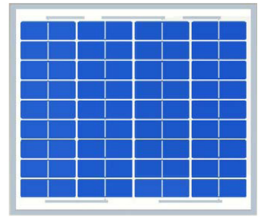
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|------------------------|--------------|
| Operating temperature | -40 to +85°C |
| Maximum system voltage | 600V DC |
| Series fuse rating | 10A |

Components & Mechanical Data

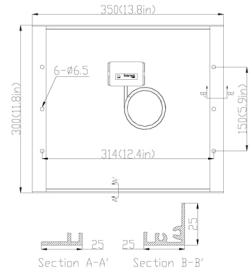
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|------------------------|--------------------------------------|
| Front Glass | 3.2mm tempered |
| Junction Box | IP-65 rated |
| Frame | Anodized aluminum alloy type 6063-T5 |
| Encapsulation Material | EVA(0.5±0.05mm thickness) |
| Back Foil | White PET(0.2±0.03mm thickness) |
| Temperature Range | -40°C to +90°C |
| Max Load | 5400Pa |

Temperature coefficient

| | |
|------------------------------------|------------------|
| Nominal Operation Cell Temperature | 48°C±2°C |
| Current temperature coefficient | 0.06±0.01 %/K |
| Voltage temperature coefficient | - (78±10) mv/k |
| Power temperature coefficient | - (0.5±0.05) %/k |



Back of the module



IV CURVES

