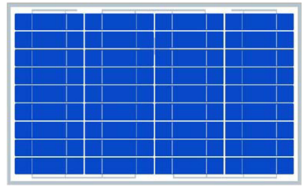


SOLARTECH POWER

SPM030P/034P



SPECIFICATIONS

| | | |
|------------------------------|-------------------------------------|--------------------|
| CELL | Multicrystalline silicon solar cell | 156mmx39mm |
| No. of cells and connections | 36(4x9) | |
| Dimension of module | 666x412x25(mm) | 26.2x16.2x0.98(in) |
| Weight | 3.5kg | 7.71b |

Characteristics

| Model | SPM030P | SPM034P |
|----------------------------|---------|---------|
| Power at STC(Pm) | 30W | 34W |
| Maximum power voltage(Vpm) | 17.3V | 18.3V |
| Maximum power current(Ipm) | 1.77A | 1.89A |
| Open circuit voltage(Voc) | 21.9V | 22.2V |
| Short circuit current(Isc) | 1.93A | 2.02A |
| Tolerance | ±5% | ±5% |
| Module efficiency | 10.9% | 12.39% |

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

Limits

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

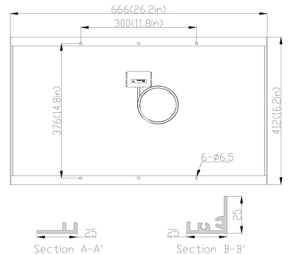
Components & Mechanical Data

| | |
|------------------------|--------------------------------------|
| 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 TPT(0.32±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

