



KEY FEATURES



10BB Hetero-Structure
 New circuit design, lower internal current, lower Rs loss
 Ga doped wafer, attenuation <2% (1st year) / ≤0.45% (Linear)



High Yield
 Bifacial PERC cell technology,
 5%-25% more yield depends on different conditions



Enhanced Anti-PID P
 2 times of industry standard Anti-PID test



ELECTRICAL CHARACTERISTICS

| Testing Condition | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 580 | 432 | 585 | 436 | 590 | 439 | 595 | 443 | 600 | 447 |
| Operating Voltage (Vmpp/V) | 44.97 | 41.9 | 45.11 | 42.1 | 45.25 | 42.2 | 45.39 | 42.3 | 45.53 | 42.5 |
| Operating Current (Impp/A) | 12.90 | 10.30 | 12.97 | 10.35 | 13.04 | 10.41 | 13.11 | 10.46 | 13.18 | 10.52 |
| Open-Circuit Voltage (Voc/V) | 53.59 | 50.4 | 53.73 | 50.6 | 53.87 | 50.7 | 54.01 | 50.8 | 54.15 | 51.0 |
| Short-Circuit Current (Isc/A) | 13.79 | 11.12 | 13.86 | 11.17 | 13.93 | 11.23 | 14.00 | 11.28 | 14.07 | 11.34 |
| Module Efficiency (%) | 20.70 | | 20.90 | | 21.10 | | 21.30 | | 21.50 | |

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25°C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%
 NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20°C, Wind speed 1m/s

REAR SIDE POWER GAIN(REFERENCE TO 590W FRONT)

| Pmax gain | 5% | 10% | 15% | 20% | 25% |
|-----------|-------|-------|-------|-------|-------|
| Pmax/W | 620 | 649 | 679 | 708 | 725 |
| Vmpp/V | 45.25 | 45.25 | 45.25 | 45.25 | 45.25 |
| Impp/A | 13.69 | 14.34 | 15.00 | 15.65 | 16.30 |
| Voc/V | 53.87 | 53.87 | 53.87 | 53.87 | 53.87 |
| Isc/A | 14.63 | 16.02 | 16.02 | 16.72 | 17.41 |

MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| Cell Type | Monocrystalline Silicon (10Busbar) |
| No. of Cells | 156pcs in series (6*26) |
| Module Dimensions | 2465*1134*35mm (97.05*44.65*1.38inches) |
| Weight | 35kg (77.2lbs.) |
| Front Glass | 2.0mm AR Coating Semi-tempered Glass |
| Back Glass | 2.0mm Glazed Semi-tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68, 3 Bypass Diodes |
| Output Cables | 4mm ² (IEC), 12AWG(UL) 350mm(+),250mm(-) or Customized Length |
| Connectors | T01/LJQ-3-CSY/MC4/MC4-EV02 |

APPLICATION CONDITIONS

| | |
|---------------------------|-------------------------------------|
| Maximun System Voltage | 1500V/DC |
| Operating Temperature | -40°C~+85°C |
| Maximun Series Fuse | 30A |
| Safety Protection Class | Class II |
| Mechanical Load | Front side 5400Pa, Back side 2400Pa |
| Refer. Bifaciality Factor | 70%±5% |

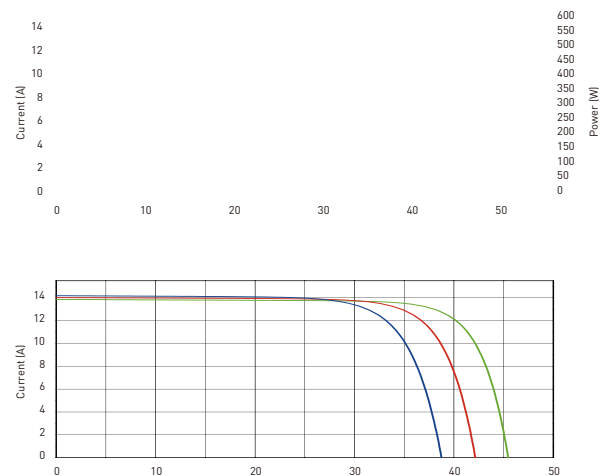
TEMPERATURE CHARACTERISTICS

| | |
|--|------------|
| Temperature Coefficient of Pmax | -0.35%/°C |
| Temperature Coefficient of Voc | -0.26%/°C |
| Temperature Coefficient of Isc | +0.048%/°C |
| Nominal Module Operating Temperature(NMOT) | 43±2°C |

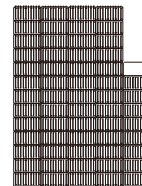
PACKING CONFIGURATION

| | | |
|-----------------------------|-----|---------|
| Pieces Per Pallet | 31 | 31(USA) |
| Pieces Per Container(40'HQ) | 496 | 496 |

I-V CURVE



TECHNICAL DRAWINGS



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