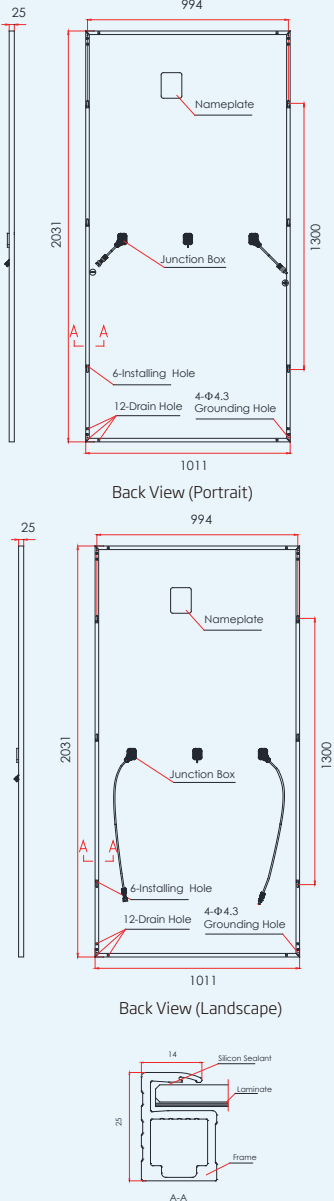
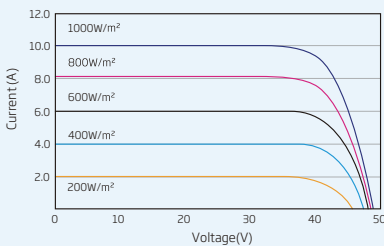


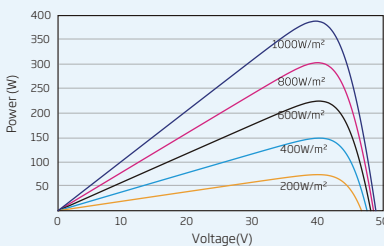
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(390W)



P-V CURVES OF PV MODULE(390W)



ELECTRICAL DATA (STC)

| | | | | | |
|---------------------------------------|--------|-------|-------|-------|-------|
| Peak Power Watts- P_{MAX} (Wp)* | 385 | 390 | 395 | 400 | 405 |
| Power Output Tolerance- P_{MAX} (W) | 0 ~ +5 | | | | |
| Maximum Power Voltage- V_{MPP} (V) | 40.1 | 40.5 | 40.8 | 41.1 | 41.4 |
| Maximum Power Current- I_{MPP} (A) | 9.61 | 9.64 | 9.69 | 9.74 | 9.79 |
| Open Circuit Voltage- V_{OC} (V) | 48.5 | 49.7 | 50.1 | 50.4 | 50.8 |
| Short Circuit Current- I_{SC} (A) | 10.03 | 10.08 | 10.13 | 10.18 | 10.23 |
| Module Efficiency η_m (%) | 18.7 | 19.0 | 19.2 | 19.5 | 19.7 |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NMOT)

| | | | | | |
|--------------------------------------|------|------|------|------|------|
| Maximum Power- P_{MAX} (Wp) | 291 | 295 | 298 | 302 | 306 |
| Maximum Power Voltage- V_{MPP} (V) | 37.9 | 38.4 | 38.7 | 38.9 | 39.2 |
| Maximum Power Current- I_{MPP} (A) | 7.66 | 7.68 | 7.71 | 7.76 | 7.81 |
| Open Circuit Voltage- V_{OC} (V) | 45.6 | 46.8 | 47.2 | 47.4 | 47.9 |
| Short Circuit Current- I_{SC} (A) | 8.09 | 8.13 | 8.17 | 8.21 | 8.27 |

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

| | |
|----------------------|--|
| Solar Cells | Monocrystalline |
| Cell Orientation | 144 cells (6 × 24) |
| Module Dimensions | 2031 × 1011 × 25 mm (79.96 × 39.80 × 0.98 inches) |
| Weight | 31.7 kg (69.9 lb) |
| Front Glass | 2.5 mm (0.10 inches), High Transmission, AR Coated Heat Strengthened Glass |
| Encapsulant Material | EVA |
| Back Glass | 2.5 mm (0.10 inches), Heat Strengthened Glass |
| Frame | 25 mm (0.98 inches) Anodized Aluminium Alloy |
| J-Box | IP 68 rated |
| Cables | Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), Portrait: N 140mm/P 285mm((5.51/11.22inches) Landscape: N 1400 mm /P 1400 mm (55.12/55.12 inches) |
| Connector | MC4 EVO2/TS4 |

TEMPERATURE RATINGS

| | |
|---|-------------|
| NMOT (Nominal Module Operating Temperature) | 41°C (±3°C) |
| Temperature Coefficient of P_{MAX} | -0.37%/°C |
| Temperature Coefficient of V_{OC} | -0.29%/°C |
| Temperature Coefficient of I_{SC} | 0.05%/°C |

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

MAXIMUM RATINGS

| | |
|-------------------------|---------------------------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC (IEC) 1000V DC (UL) |
| Max Series Fuse Rating | 20A |

WARRANTY

- 10 year Product Workmanship Warranty
- 30 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

- Modules per box: 36 pieces
- Modules per 40' container: 792 pieces

