

Preliminary

Vertex N

ELECTRICAL DATA (STC & NOCT)

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|--------------------------------------|
| Testing Condition |
| Peak Power Watts- $P_{MAX}(Wp)^*$ |
| Power Selection (W)** |
| Maximum Power Voltage- V_{MPP} (V) |
| Maximum Power Current- I_{MPP} (A) |
| Open Circuit Voltage- V_{oc} (V) |
| Short Circuit Current- I_{sc} (A) |
| Module Efficiency η_m (%) |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s. *Measuring tolerance: $\pm 3\%$. **Power selection up to: +3%.

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|--------------------------------------|
| Backside Power Gain |
| Peak Power Watts- $P_{MAX}(Wp)$ |
| Maximum Power Voltage- V_{MPP} (V) |
| Maximum Power Current- I_{MPP} (A) |
| Open Circuit Voltage- V_{oc} (V) |
| Short Circuit Current- I_{sc} (A) |
| Power Bifaciality: $80 \pm 5\%$. |

TEMPERATURE RATINGS

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|---|--------------------------------|
| NOCT (Nominal Operating Cell Temperature) | 43°C ($\pm 2^\circ\text{C}$) |
| Temperature Coefficient of P_{MAX} | -0.29% /°C |
| Temperature Coefficient of V_{oc} | -0.24% /°C |
| Temperature Coefficient of I_{sc} | 0.04% /°C |

CURVES OF PV MODULE

MAXIMUM RATINGS

| | |
|-------------------------|---------------------------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC (IEC) 1500V DC (UL) |
| Max Series Fuse Rating | 35A |

MECHANICAL DATA

| | |
|-------------------|---|
| Solar Cells | N-type TOPCon Monocrystalline |
| No. of cells | 132 cells |
| Module Dimensions | 2382×1134×30 mm (93.78×44.65×1.18 inches) |
| Weight | 39.7 kg (87.5 lb) |
| Front Glass | AR Coating Heat Strengthened Glass |
| Back Glass | Heat Strengthened Glass |
| Frame | 30mm(1.18 inches) Anodized Aluminium Alloy |
| J-Box | IP 68 rated |
| Cables | Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²) Portrait: 200/320 mm(7.87/12.60 inches) Length can be customized |
| Connector | MC4 EVO2 / TS4 Plus / TS4* |

Packaging

*Please refer to regional datasheet for specified connector.