

Preliminary

Vertex N

ELECTRICAL DATA (STC & NOCT)

Testing Condition
Peak Power Watts- $P_{MAX}(W_p)^*$
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: $+3\%$.

Backside Power Gain
Peak Power Watts- $P_{MAX}(W_p)$
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

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

MAXIMUM RATINGS

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

CURVES OF PV MODULE

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 EV02 / TS4 Plus / TS4*

Packaging

*Please refer to regional datasheet for specified connector.