



Key features

- Lower LCOE (levelized cost of energy), reduced BOS (balance of system) cost, shorter payback time
- Designed for compatibility with existing mainstream system components
- High module power, high string power and low voltage design

CA A (STC)

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. *Measuring tolerance: $\pm 3\%$. **Power selection up to: $+3\%$.

CA A (NOCT)

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)

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

LA A

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

CA L

I-V CURVES OF PV MODULE (505W)

P-V CURVES OF PV MODULE (505W)

LA L A

Operational Temperature -40~+85°C

Maximum System Voltage 1500V DC (IEC)

Max Series Fuse Rating 30A

LA CA A

Solar Cells N-type i-TOPCon Monocrystalline

No. of cells 108 cells

Module Dimensions 1961×1134×30 mm
(77.20×44.65×1.18 inches)

Weight 23.5 kg (51.8 lb)

Front Glass 1.6mm (0.06inches),
AR Coating Heat Strengthened Glass

Back Glass 1.6mm (0.06 inches),
Heat Strengthened Glass

Frame 30mm(1.18 inches)
Anodized Aluminium Alloy, Black

J-Box IP 68 rated

Cables Photovoltaic Technology
Cable 4.0mm² (0.006 inches²)
Portrait: 350/280 mm (13.78/11.02 inches)
Length can be customized

Connector MC4 EV02 / TS4 Plus / TS4*

Packaging

*Please refer to regional datasheet for specified connector.