



ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}(Wp)^*$	420	425	430	435	440	445
Power Selection (W)**	0 ~ +5					
Maximum Power Voltage- $V_{MPP}(V)$	28.3	28.5	28.8	29.1	29.3	29.5
Maximum Power Current- $I_{MPP}(A)$	14.84	14.88	14.93	14.99	15.02	15.08
Open Circuit Voltage- $V_{oc}(V)$	33.7	33.9	34.3	34.5	34.8	35.1
Short Circuit Current- $I_{sc}(A)$	15.80	15.84	15.89	15.96	16.01	16.07
Module Efficiency $\eta_m(\%)$	21.0	21.3	21.5	21.8	22.0	22.3

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

ELECTRICAL DATA (NOCT)

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- $I_{sc}(A)$

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

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature) 43°C (±2°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 30A

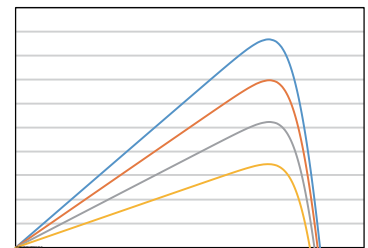
CURVES OF PV MODULE

I-V CURVES OF PV MODULE (435W)

Current (A)

P-V CURVES OF PV MODULE (435W)

Power (W)



Voltage (V)

MECHANICAL DATA

Solar Cells	N-type TOPCon Monocrystalline
No. of cells	96 cells
Module Dimensions	1762×1134×35 mm (69.37×44.65×1.38 inches)
Weight	21.5 kg (47.40 lb)
Front Glass	3.2mm (0.13inches), AR Coating Tempered Glass
Backsheet	White-black Opaque Backsheet
Frame	35mm(1.38 inches) Anodized Aluminium Alloy, Black
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²) Landscape: 1100 mm/ 1100 mm (43.31/43.31 inches) Length can be customized
Connector	MC4 EVO2 / TS4 Plus / TS4*
Packaging	Modules per box: 31 pieces Modules per 53' container: 806 pieces
Fire Type	Type 1 or Type 2

*Please refer to regional datasheet for specified connector.