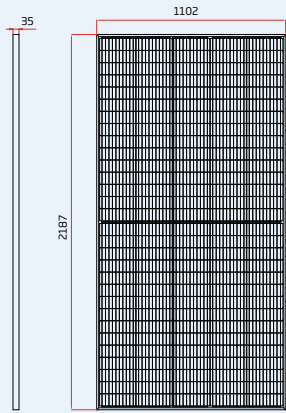
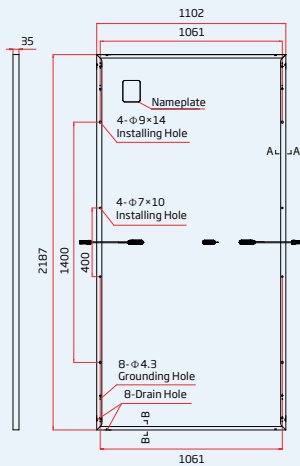


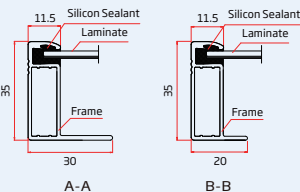
DIMENSIONS OF PV MODULE(mm)



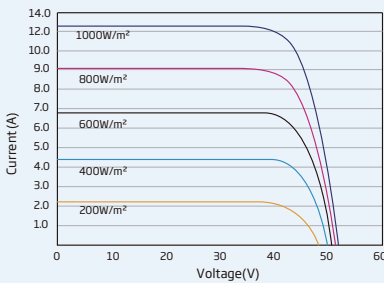
Front View



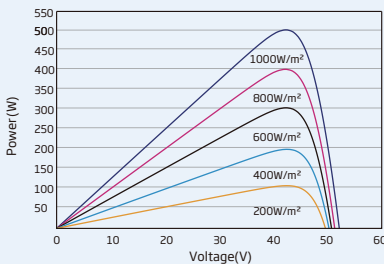
Back View



I-V CURVES OF PV MODULE(500 W)



P-V CURVES OF PV MODULE(500W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	490	495	500	505	510	515
Power Tolerance- P_{MAX} (W)	0 ~ +5					
Maximum Power Voltage- V_{MPP} (V)	42.4	42.6	42.8	43.0	43.2	43.4
Maximum Power Current- I_{MPP} (A)	11.56	11.63	11.69	11.75	11.81	11.87
Open Circuit Voltage- V_{OC} (V)	51.3	51.5	51.7	51.9	52.1	52.3
Short Circuit Current- I_{SC} (A)	12.14	12.21	12.28	12.35	12.42	12.49
Module Efficiency η_m (%)	20.3	20.5	20.7	21.0	21.2	21.4

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	369	373	377	381	385	388
Maximum Power Voltage- V_{MPP} (V)	40.0	40.2	40.4	40.6	40.5	40.7
Maximum Power Current- I_{MPP} (A)	9.22	9.28	9.33	9.38	9.50	9.53
Open Circuit Voltage- V_{OC} (V)	48.2	48.4	48.6	48.8	49.0	49.2
Short Circuit Current- I_{SC} (A)	9.78	9.84	9.90	9.95	10.01	10.06

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

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	150 cells
Module Dimensions	2187×1102×35 mm (86.10×43.39×1.38 inches)
Weight	26.3 kg (58.0 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), Portrait: N 280mm/P 280mm(11.02/11.02inches) Length can be customized
Connector	MC4 EVO2 / TS4*

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.34%/°C
Temperature Coefficient of V_{OC}	-0.25%/°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	20A

WARRANTY

12 year Product Workmanship Warranty
25 year Power Warranty
2% first year degradation
0.55% Annual Power Attenuation

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 31 pieces
Modules per 40' container: 620 pieces