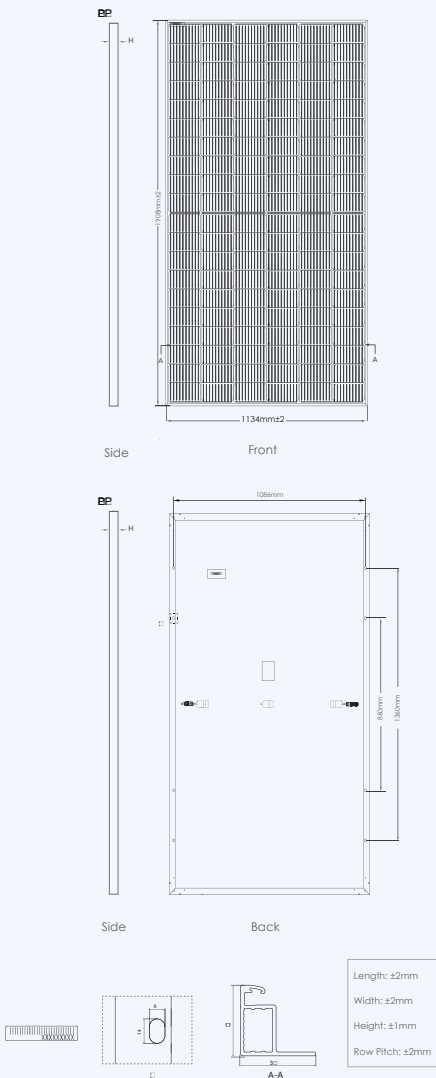
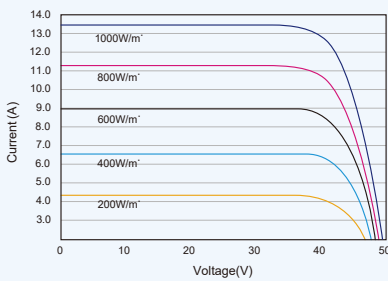




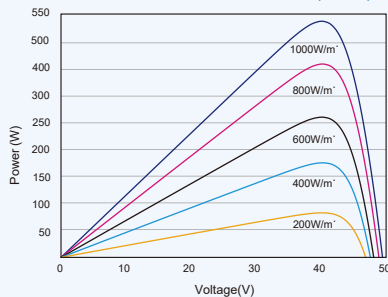
### DIMENSIONS OF PV MODULE(mm)



### I-V CURVES OF PV MODULE(530W)



### P-V CURVES OF PV MODULE(530W)



### ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}$ (Wp)*	530	535	540	545	550
Power Tolerance- $P_{MAX}$ (W)	0 ~ +5				
Maximum Power Voltage- $V_{MPP}$ (V)	40.56	40.63	40.70	40.80	40.90
Maximum Power Current- $I_{MPP}$ (A)	13.07	13.17	13.27	13.36	13.45
Open Circuit Voltage- $V_{OC}$ (V)	49.26	49.34	49.42	49.52	49.62
Short Circuit Current- $I_{SC}$ (A)	13.71	13.79	13.85	13.94	14.03
Module Efficiency $\eta_m$ (%)	20.5	20.7	20.9	21.1	21.3

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\*Measuring tolerance: ±3%.

### ELECTRICAL DATA (NOCT)

Maximum Power- $P_{MAX}$ (Wp)	394	398	402	405	409
Maximum Power Voltage- $V_{MPP}$ (V)	37.84	37.91	38.08	38.25	38.42
Maximum Power Current- $I_{MPP}$ (A)	10.42	10.50	10.55	10.60	10.65
Open Circuit Voltage- $V_{OC}$ (V)	46.50	46.57	46.65	46.74	46.84
Short Circuit Current- $I_{SC}$ (A)	11.07	11.14	11.19	11.26	11.33

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	144 cells (6 × 24)
Module Dimensions	2279 × 1134 × 35 mm (89.72 × 44.65 × 1.38 inches)
Weight	29.4 kg
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA/POE
Backsheet	White
Frame	35 mm ( 1.38 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), Portrait: N 300mm/P 300mm(11.8/11.8inches)
Connector	MC4

\*Please refer to regional datasheet for specific connector.

### TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coe <sup>o</sup> cient of $P_{MAX}$	- 0.35%/ °C
Temperature Coe <sup>o</sup> cient of $V_{OC}$	- 0.28%/ °C
Temperature Coe <sup>o</sup> cient of $I_{SC}$	0.048%/ °C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

### MAXIMUM RATINGS

Operational Temperature	-40~+85 °C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	25A

### 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



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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