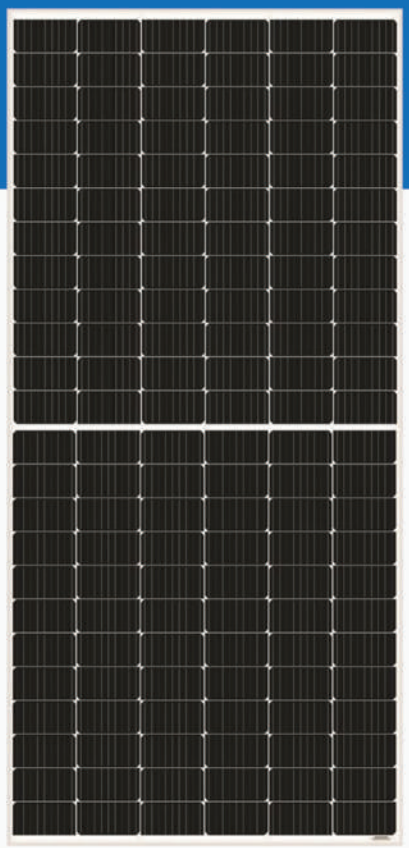


CSP-M6M-144-HC-xxxW (435Wc~465Wc) Monocrystalline module

ADVANCED PERFORMANCE AND PROVEN ADVANTAGES

- High module conversion efficiency up to 20.37% by using innovative Half-cell design and Multi-busbar(MBB) cell technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

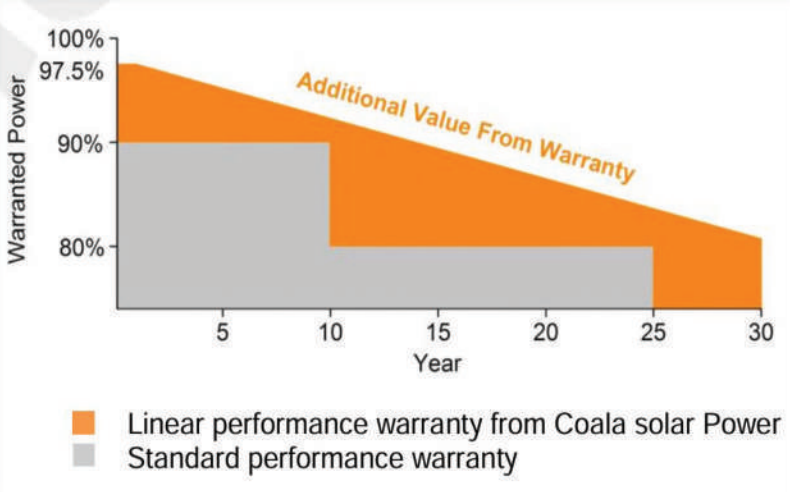
CERTIFICATIONS

- TUV certification,

SPECIAL WARRANTY

- 15 years product warranty
- 30 years linear power output warranty

Passionately committed to delivering innovative energy solution



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	435W	440W	445W	450W	455W	460W	465W
Open Circuit Voltage (V_{OC})	48.6V	48.67V	48.74V	49.03V	49.32V	49.46V	49.68V
Short Circuit Current (I_{SC})	11.23A	11.26A	11.29A	11.34A	11.37A	11.42A	11.49A
Voltage at Maximum Power (V_{mp})	41.04V	41.32V	41.47V	41.76V	42.12V	42.33V	42.68V
Current at Maximum Power (I_{mp})	10.63A	10.65A	10.71A	10.78A	10.82A	10.86A	10.93A
Module Efficiency (%)	19.46	19.69	19.92	20.14	20.37	20.59	20.81
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC/1500V DC						
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)						
Maximum Series Fuse Rating	20A						

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%

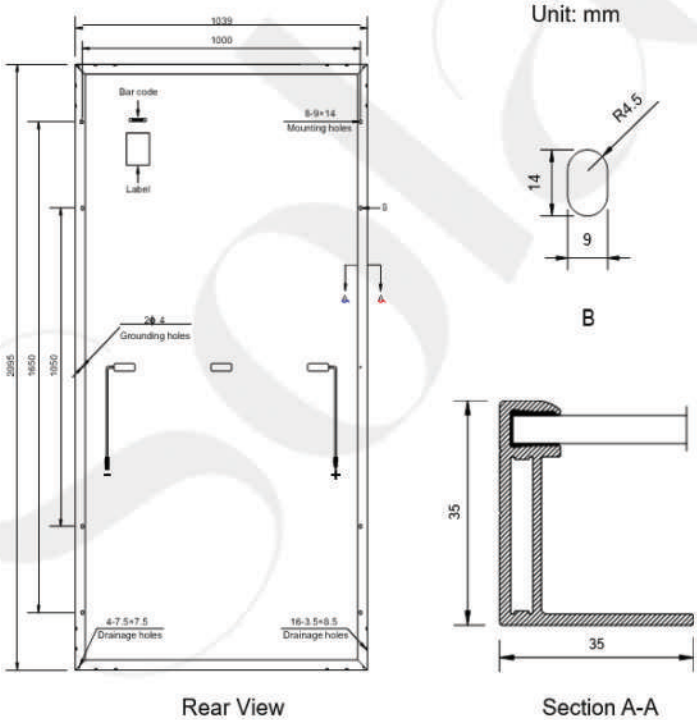
MECHANICAL CHARACTERISTICS

Cell type	Monocristalline PERC 166*83mm
Number of cells	144 (6x24)
Module dimensions	2095x1039x35mm
Weight	24kg (4lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm², 600mm
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.36%/°C
Temperature Coefficients of V_{OC}	-0.28%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

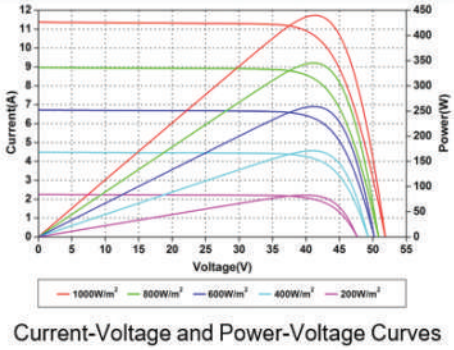
INGENEERING DRAWINGS



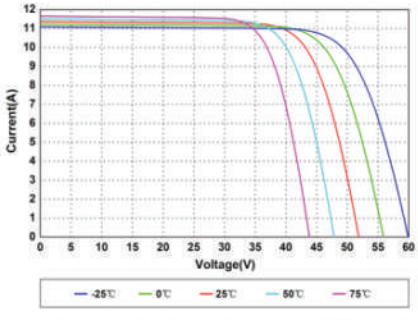
Rear View

Section A-A

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.