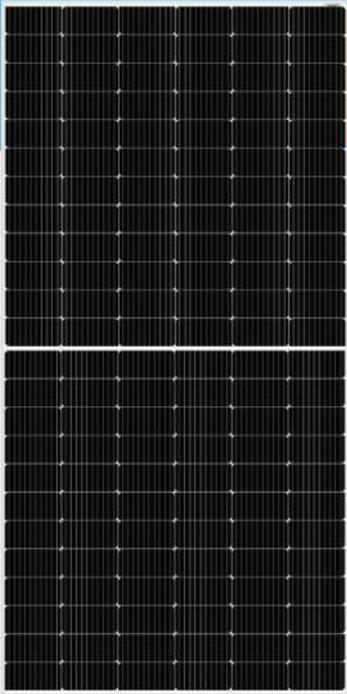


CSP-M10N-144N-HC-xxxW (575Wc~600Wc) Monocrystalline module (N-type)



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 22.84% by using innovative N-type TOPCon cell technology.
- Extremely low LID (light induced degradation) and low annual power degradation ensure higher energy yield during the module's lifetime.
- Low temperature coefficient 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.



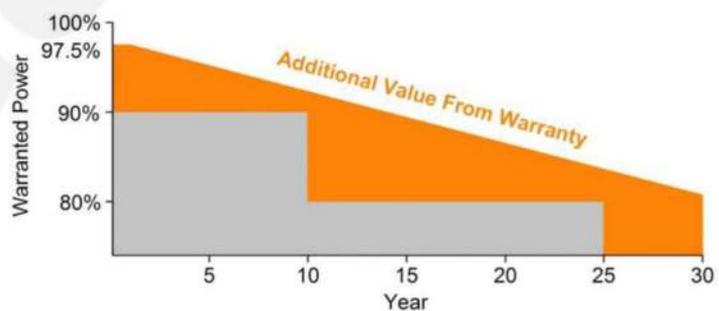
CERTIFICATIONS

- TUV certification

SPECIAL WARRANTY

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

**Passionately
committed to
innovative energy
solutions.**



- Linear performance warranty from Coala solar Power
- Standard performance warranty

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	575W	580W	585W	590W	595W	600W
Open Circuit Voltage (V_{oc})	51.0V	51.2V	51.4V	51.6V	51.8V	52.0V
Short Circuit Current (I_{sc})	14.19A	14.24A	14.29A	14.34A	14.39A	14.44A
Voltage at Maximum Power (V_{mp})	42.8V	43.0V	43.2V	43.4V	43.6V	43.8V
Current at Maximum Power (I_{mp})	13.44A	13.49A	13.54A	13.59A	13.65A	13.70A
Module Efficiency (%)	22.25	22.44	22.64	22.83	23.02	23.22
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Fire Resistance Rating	Class C					
Maximum Series Fuse Rating	25A					

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

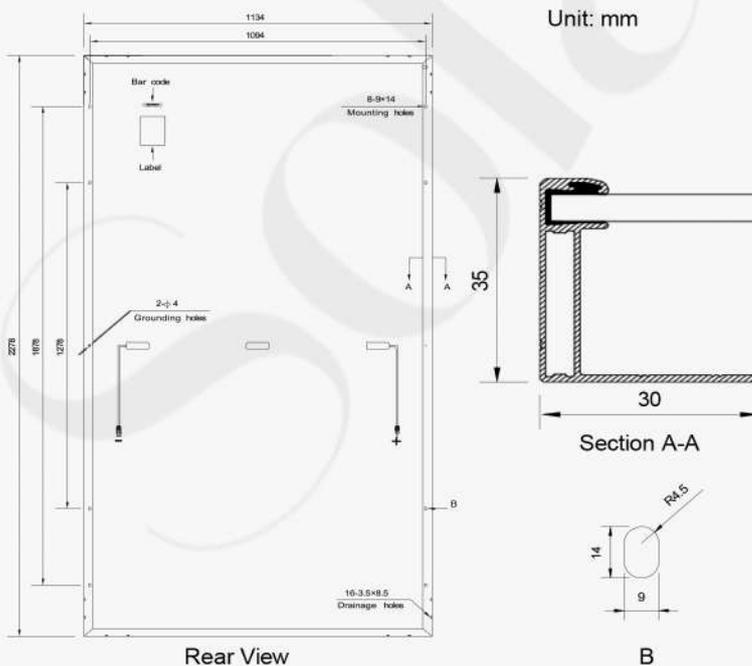
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline N-type 182*91mm
Number of cells	144 (6x24)
Module dimensions	2278x1134x35mm
Weight	27.5kg
Front cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm ² , 300mm; Customized Length
Connector	MC4 or MC4 compatible

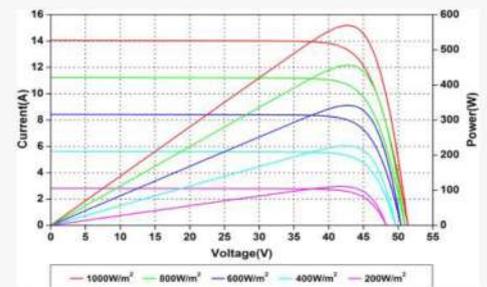
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P_{max}	-0.30%/°C
Temperature Coefficients of V_{oc}	-0.25%/°C
Temperature Coefficients of I_{sc}	0.045%/°C

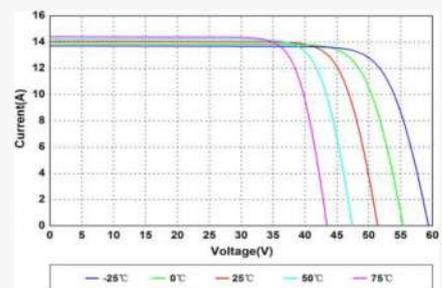
INGENEERING DRAWINGS



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.