

CSP-G1P-60-xxxW (270Wc~280Wc) Polycrystalline module

ADVANCED PERFORMANCE AND PROVEN ADVANTAGES

- High module conversion efficiency up to 18.44% through innovative five busbar 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 3600Pa 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**



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

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	270W	275W	280W
Open Circuit Voltage (V_{oc})	38.22V	38.4V	38.7V
Short Circuit Current (I_{sc})	8.92A	8.95A	9.02A
Voltage at Maximum Power (V_{mp})	32.34V	32.58V	32.88V
Current at Maximum Power (I_{mp})	8.38A	8.42A	8.51A
Module Efficiency (%)	16.60	16.90	17.21
Operating Temperature	-40°C to +85°C		
Maximum System Voltage	1000V DC/1500V DC		
Fire Resistance Rating	Type 1(in accordance with UL 1703)/Class C(IEC 61730)		
Maximum Series Fuse Rating	15A		

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

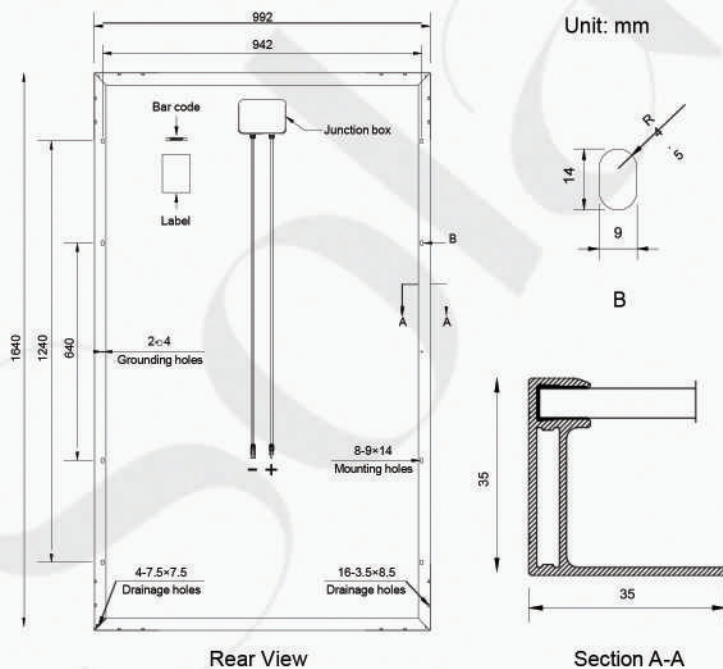
MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 6inch
Number of cells	60 (6x10)
Module dimensions	1640x992x40mm
Weight	17.5kg (38.6lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 900mm (35.43inches)
Connector	MC4 or MC4 compatible

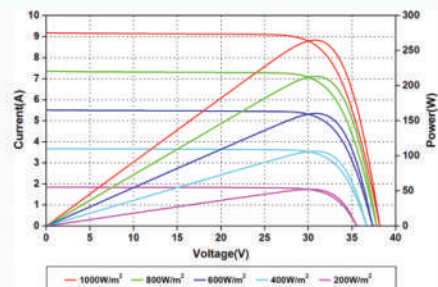
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.39%/°C
Temperature Coefficients of V_{oc}	-0.30%/°C
Temperature Coefficients of I_{sc}	0.05%/°C

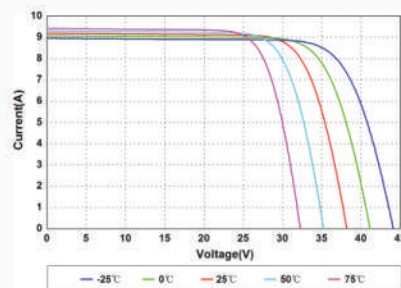
INGENEERING DRAWINGS



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.