

ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P_{max})	185W	190W	195W	200W	205W	210W
Open Circuit Voltage (V_{oc})	44.8V	45.0V	45.1V	45.2V	45.4V	45.6V
Short Circuit Current (I_{sc})	5.45A	5.54A	5.63A	5.72A	5.81A	5.90A
Voltage at Nominal Power (V_{mp})	36.3V	36.5V	36.7V	36.9V	37.1V	37.3V
Current at Nominal Power (I_{mp})	5.10A	5.21A	5.32A	5.43A	5.53A	5.64A
Module Efficiency (%)	14.49	14.88	15.27	15.67	16.06	16.45
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC					
Fire Resistance Rating	Type 1(UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	10A					

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (P_{max})	136W	140W	144W	147W	151W	155W
Open Circuit Voltage (V_{oc})	41.2V	41.4V	41.5V	41.6V	41.8V	42.0V
Short Circuit Current (I_{sc})	4.41A	4.49A	4.56A	4.63A	4.71A	4.78A
Voltage at Nominal Power (V_{mp})	33.0V	33.2V	33.4V	33.6V	33.8V	33.9V
Current at Nominal Power (I_{mp})	4.13A	4.22A	4.32A	4.38A	4.47A	4.58A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 125x125mm (5x5inches)
Number of cells	72 (6x12)
Module dimensions	1580x808x35mm (62.20x31.81x1.38inches)
Weight	15.5kg (34.2lbs)
Front cover	3.2mm (0.13inches) low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 900mm (35.43inches)
Connector	MC4 or MC4 compatible

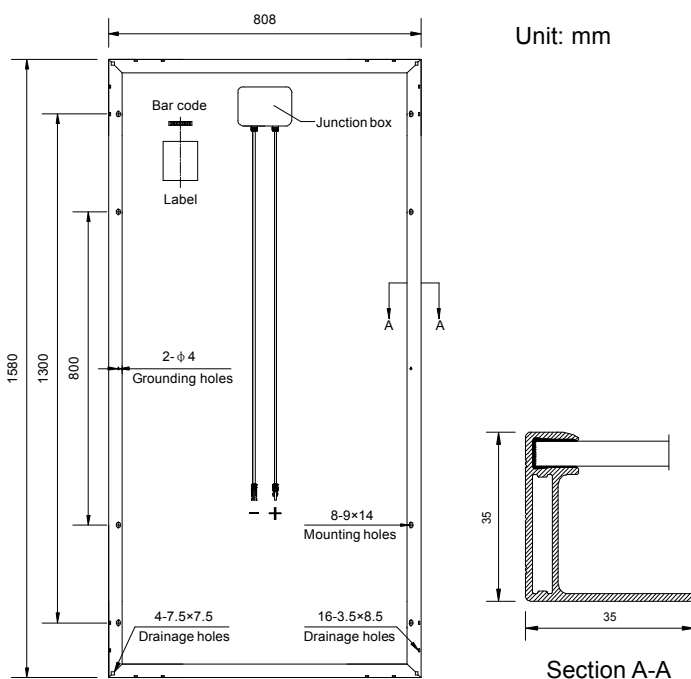
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{oc}	-0.33%/°C
Temperature Coefficients of I_{sc}	0.056%/°C

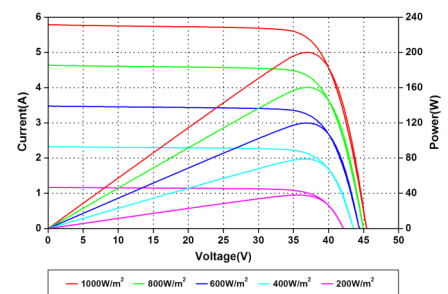
PACKAGING

Standard packaging	29pcs/pallet
Module quantity per 20' container	348 pcs
Module quantity per 40' container	812 pcs

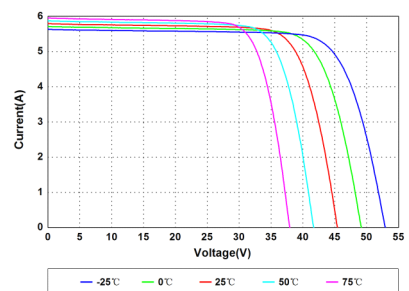
ENGINEERING DRAWINGS



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.