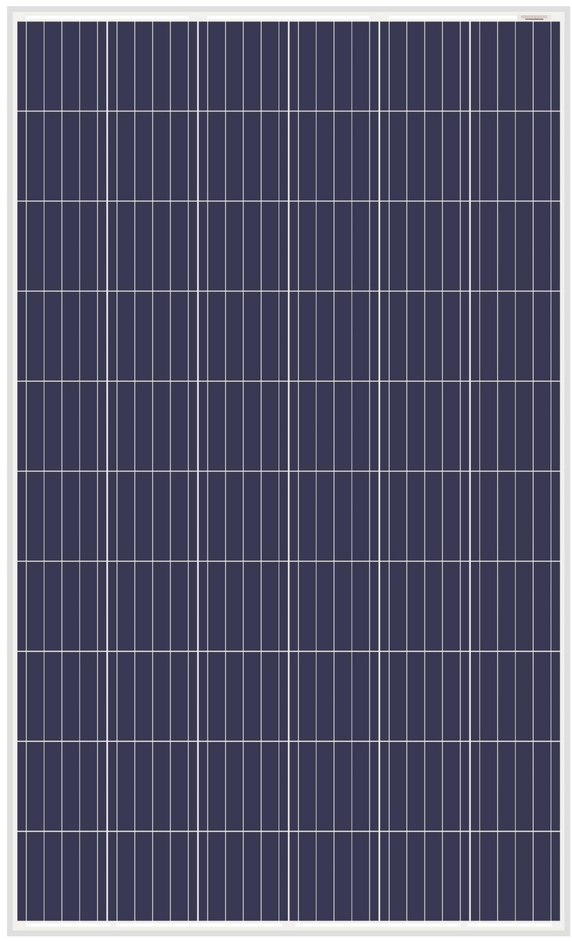
156.75 Series POLYCRYSTALLINE

60 Full-Cells Solar Modules

270-300W



➢ Key Features

® Advanced production equipment, International first-class production technology, Achieved high module conversion efficiency 18.44%

® Excellent performance for resist wind pression and snow load, Full module passed wind pression (2400Pa) and snow load (5400Pa) test

® Excellent weak light performance, Resistant to salt spray and ammonia corrosion

® Passing the certification test of photovoltaic standards

® Application grade: A grade, Safe class: Ⅱ, Fireproofing grade: C

Excellent low light performance on cloudy days mornings and evenings

* Advanced surface texturing
* Back surface field
* Selective emitter

Maximize Limited Space

* Maximum power to 300w
* Up to 177w/m² power density

Highly reliable due to stringent quality control

* In-house testing goes well beyond certification requirements (UV, TC, HF, and many more)
* PID resistant

Certified to withstand the most challenging environmental conditions

* 2400 Pa wind load
* 5400 Pa snow load

➢ Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701 /IEC62716

ISO 9001: Quality Management System

ISO 14001: Enviromental Management System

OHSAS 18001

GB/T 23001 -2017

ELECTRICAL CHARACTERISTICSAT STC

Maximum Power (P_{max})	270W	275W	280W	285W	290W	295W	300W
Open Circuit Voltage (V_{OC})	38.4V	38.6V	38.8V	39.0V	39.2V	39.4V	39.6V
Short Circuit Current (I_{SC})	9.15A	9.26A	9.37A	9.48A	9.59A	9.70A	9.80A
Voltage at Maximum Power (V_{mp})	31.2V	31.4V	31.6V	31.8V	32.0V	32.2V	32.4V
Current at Maximum Power (I_{mp})	8.66A	8.76A	8.87A	8.97A	9.07A	9.17A	9.26A
Module Efficiency (%)	16.60	16.90	17.21	17.52	17.83	18. 13	18.44
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/m^2 , Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICSAT NOCT

Maximum Power (P_{max})	200W	204W	207W	211W	215W	218W	222W
Open Circuit Voltage (V_{OC})	35.3V	35.5V	35.7V	35.9V	36.1V	36.3V	36.5V
Short Circuit Current (I_{SC})	7.41A	7.50A	7.59A	7.68A	7.77A	7.86A	7.94A
Voltage at Maximum Power (V_{mp})	28.4V	28.6V	28.8V	29.0V	29.2V	29.4V	29.6V
Current at Maximum Power (I_{mp})	7.05A	7.14A	7.19A	7.28A	7.37A	7.42A	7.50A

NOCT: Irradiance 800W/m^2 , Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 6inch
Number of cells	60 (6x10)
Module dimensions	1640x992x30mm (64.57x39.06x1. 18inches)
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

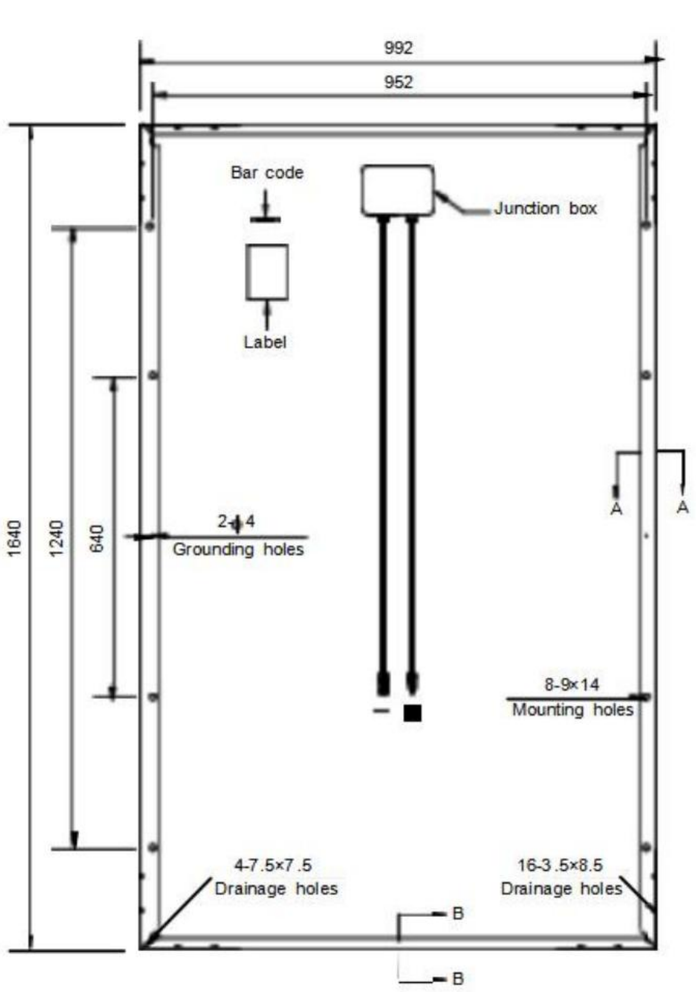
TEMPERATURE CHARACTERISTICS

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

PACKAGING

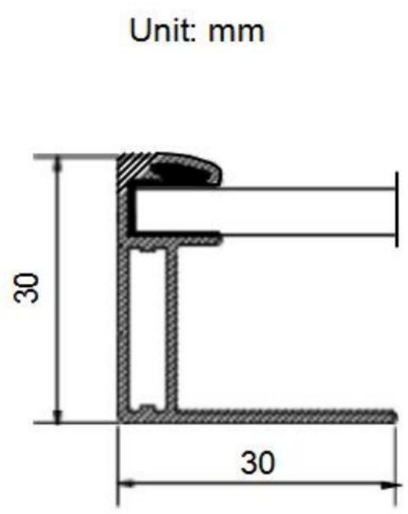
Standard packaging	36pcs/pallet
Module quantity per 20’ container	432pcs
Module quantity per 40’ container	1008pcs(GP)/1092pcs(HQ)

ENGINEERING DRAWINGS

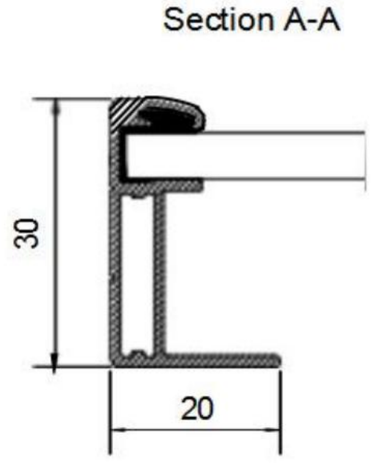


Rear View

Unit: mm

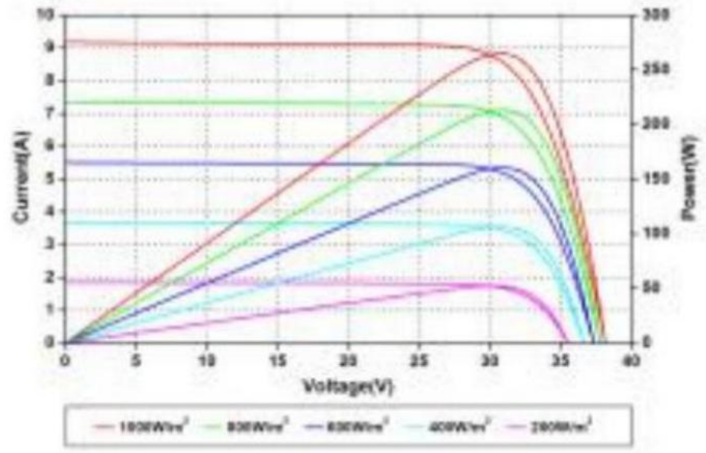


Section A-A

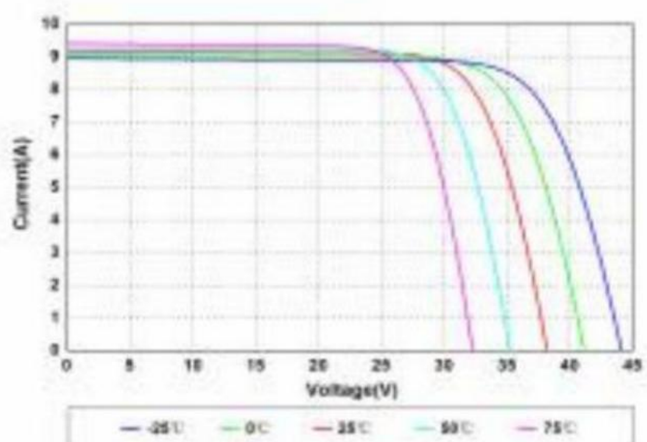


Section B-B

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures