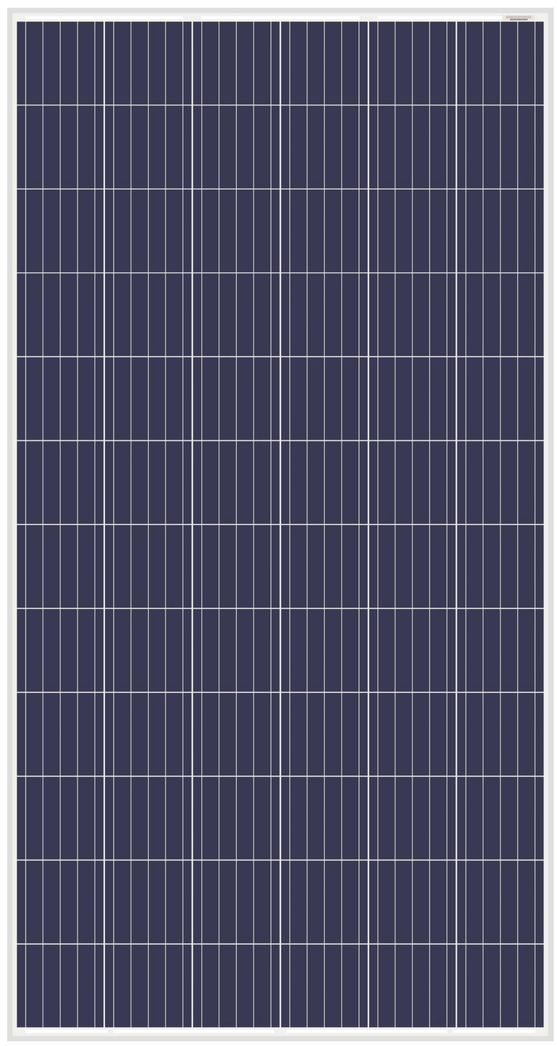
Unite Solar Technology Co., Ltd.
www.unite-solar.com

156.75 Series POLYCRYSTALLINE

72 Full-Cells Solar Modules

325-355W



➢ Key Features

® Advanced production equipment, International first-class production technology, Achieved high module conversion efficiency 18.3%

® 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

➢ 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

Excellent low light performance on cloudy days mornings and evenings

* Advanced surface texturing
* Back surface field
* Selective emitter

One of the industry most trusted modules

* Field proven performance
* Strong, reliable supplier

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

ELECTRICAL CHARACTERISTICSAT STC

Maximum Power (P_{max})	325W	330W	335W	340W	345W	350W	355W
Open Circuit Voltage (V_{OC})	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V	46.9V
Short Circuit Current (I_{SC})	9.28A	9.36A	9.44A	9.52A	9.60A	9.68A	9.76A
Voltage at Maximum Power (V_{mp})	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V	38.3V
Current at Maximum Power (I_{mp})	8.77A	8.85A	8.94A	9.02A	9.11A	9.19A	9.27A
Module Efficiency (%)	16.75	17.01	17.26	17.52	17.78	18.04	18.30
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})	241W	244W	248W	252W	256W	259W	263W
Open Circuit Voltage (V_{OC})	42.0V	42.2V	42.4V	42.6V	42.8V	43.0V	43.2V
Short Circuit Current (I_{SC})	7.52A	7.58A	7.65A	7.71A	7.78A	7.84A	7.91A
Voltage at Maximum Power (V_{mp})	33.7V	33.9V	34. 1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power (I_{mp})	7.16A	7.20A	7.28A	7.35A	7.42A	7.47A	7.54A

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

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 6inch
Number of cells	72 (6x12)
Module dimensions	1956x992x30mm (77.01x39.06x1. 18inches)
Weight	21kg (46.3lbs)
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), 1000mm (39.37inches)
Connector	MC4 or MC4 compatible

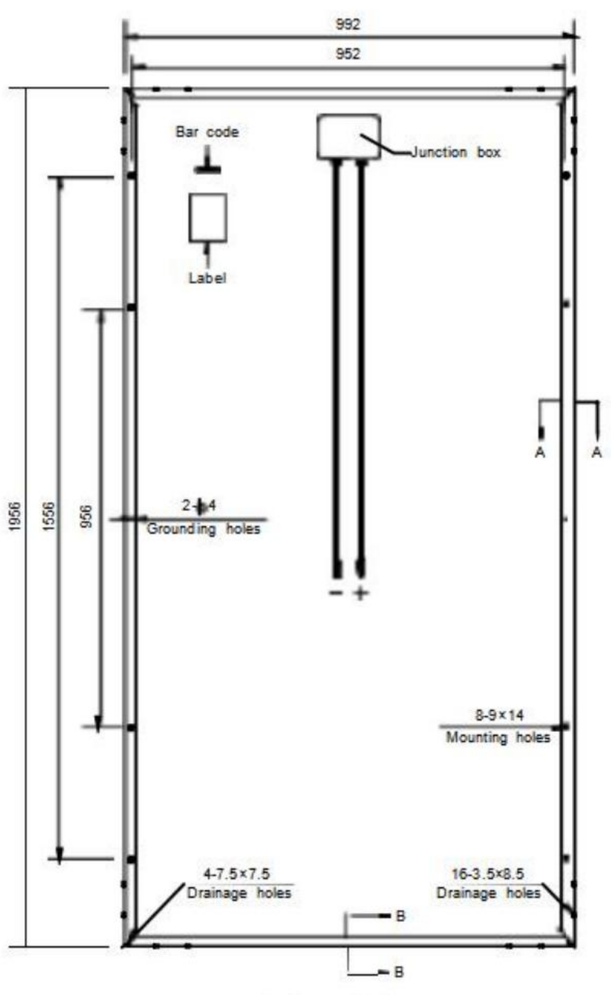
TEMPERATURE CHARACTERISTICS

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

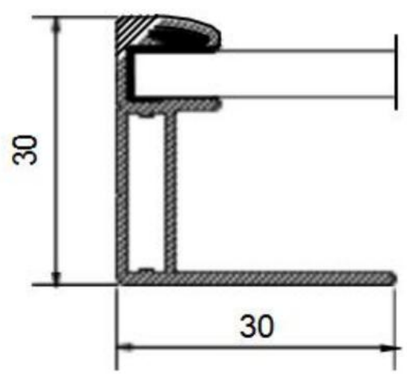
Standard packaging	36pcs/pallet
Module quantity per 20’ container	360pcs
Module quantity per 40’ container	864pcs(GP)/936pcs(HQ)

ENGINEERING DRAWINGS

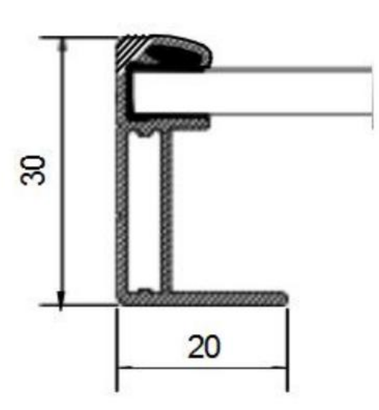


Rear View

Unit: mm

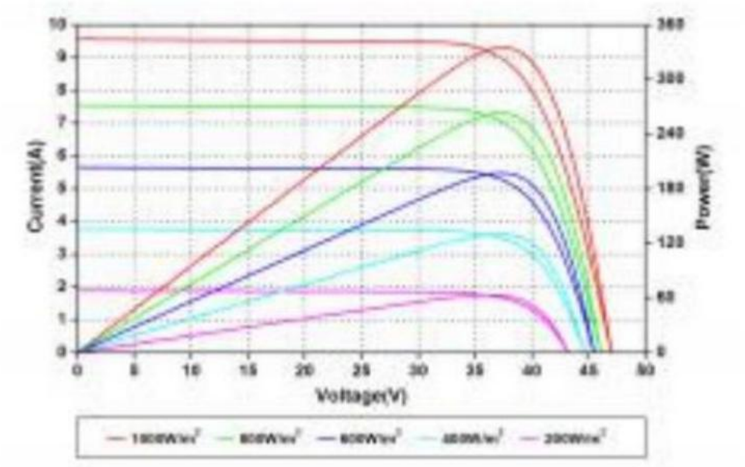


Section A-A

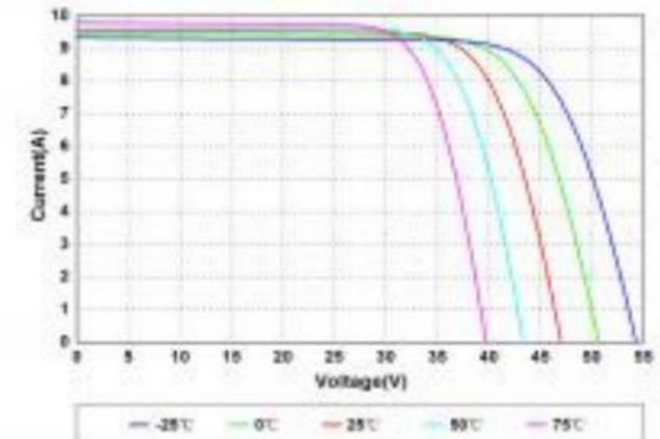


Section B-B

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current- Voltage Curves at Different Temperatures