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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

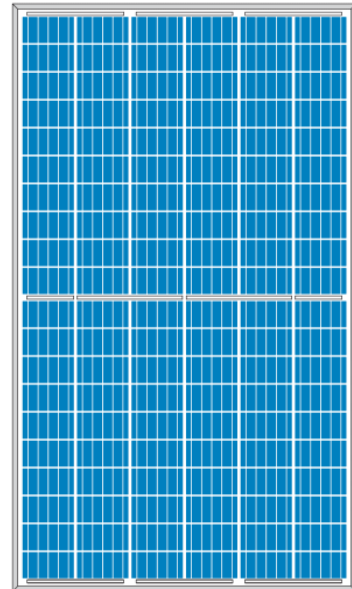
**Just Solar Co., Limited  
JUST Half-Cut Poly(120) 280-305W  
JST305P(120)**

Also available on the web at  
[EnergyPal.com/just-solar-co-limited-solar-panels/jst305p-120](http://EnergyPal.com/just-solar-co-limited-solar-panels/jst305p-120)



## Half-Cut Poly Module

JST280-305P(120)



### ELECTRICAL DATA

Model Type	JST280P(120)	JST285P(120)	JST290P(120)	JST295P(120)	JST300P(120)	JST305P(120)
Peak Power (Pmax)	280W	285W	290W	295W	300W	305W
Module Efficiency	16.6%	16.9%	17.2%	17.5%	17.8%	18.1%
Maximum Power Voltage (Vmp)	31.90V	32.35V	32.80V	33.25V	33.66V	34.01V
Maximum Power Current (Imp)	8.78A	8.81A	8.84A	8.87A	8.91A	8.95A
Open Circuit Voltage (Voc)	38.60V	38.80V	39.00V	39.20V	39.40V	39.60V
Short Circuit Current (Isc)	9.45A	9.55A	9.65A	9.75A	9.85A	9.95A
Power Tolerance	0 to +5W					
Maximum System Voltage	1500V					
Nominal Operating Cell Temperature	45±2°C					
Maximum Series Fuse Rating	15A					

### MECHANICAL DATA

Cell Type	156.75×78.38mm
Number of Cells	60×2
Weight	19kg
Dimension	1684×1002×35mm
Max Load	5400 Pascals
Junction Box	IP68 rated
Connector	MC4 Compatible
Wire Type	PV Wire

### TEMPERATURE CHARACTERISTICS

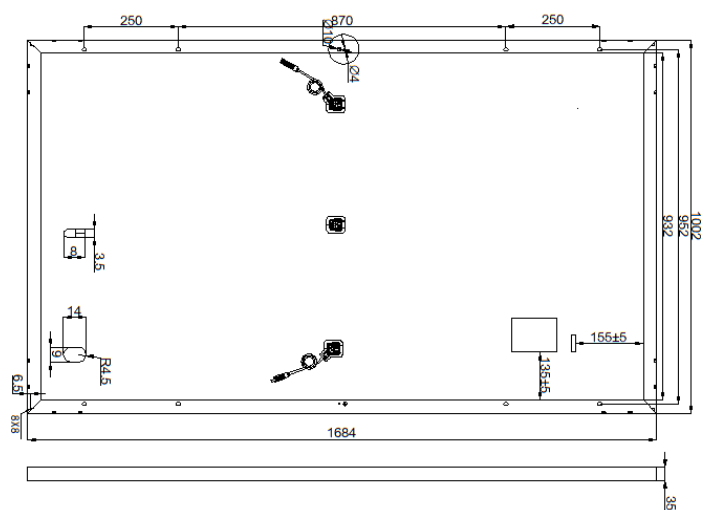
Temp. Coeff. of Isc (TK Isc)	0.055% /°C
Temp. Coeff. of Voc (TK Voc)	-0.32% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.41% /°C

### PACKING MANNER

Container	40' container
Pieces per Pallet	30
Pieces per Container	780

### PHYSICAL CHARACTERISTICS

Dimension: mm



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact support@jusolar.com for technical support. The actual transactions will be subject to the contracts. This parameters isfor reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.