

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**

EnergyPal

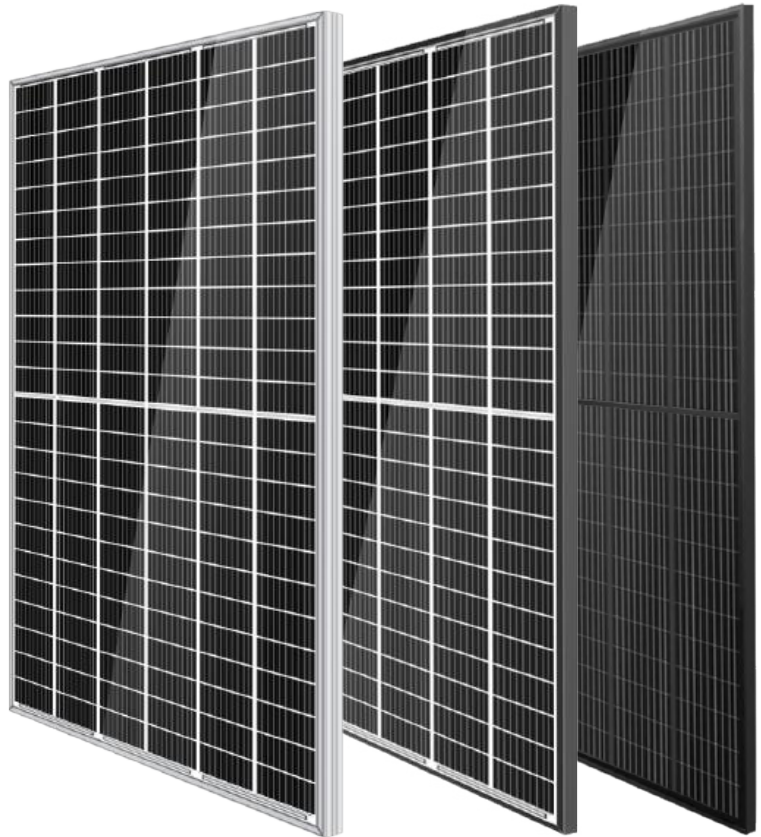
Solar Panel Guide Specification Data Sheet

**Just Solar Co., Limited
JST430-455M(144)-166mm
JST440M(144)**

Also available on the web at
EnergyPal.com/just-solar-co-limited-solar-panels/jst440m-144

JUSTSOLAR Halfcut 166mm MONO MODULE

JST430-455M(144)



High conversion efficiency
High module efficiency to guarantee power output.



0 to +5W positive tolerance
Detailed information in Electrical Specifications.



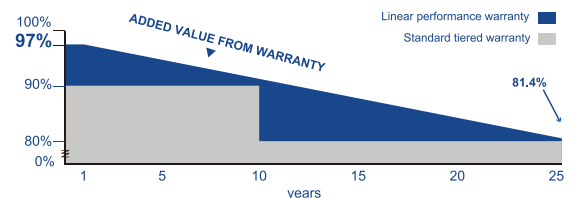
Self-cleaning glass
Coating glass for self-cleaning, reduce surface dust.



48-hour response service



Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



25 25-year performance warranty

10 10-year warranty on materials and workmanship

IEC 61215 Ed.2
IEC 61730
UL 1703



JUST Solar

ELECTRICAL DATA

Model Type	JST430M(144)	JST435M(144)	JST440M(144)	JST445M(144)	JST450M(144)	JST455M(144)
Peak Power (Pmax)	430W	435W	440W	445W	450W	455W
Module Efficiency	19.5%	19.7%	19.9%	20.1%	20.4%	20.6%
Maximum Power Voltage (Vmp)	40.60V	40.80V	41.00V	41.20V	41.40V	41.60V
Maximum Power Current (Imp)	10.60A	10.67A	10.74A	10.81A	10.88A	10.94A
Open Circuit Voltage (Voc)	49.20V	49.40V	49.60V	49.80V	50.00V	50.20V
Short Circuit Current (Isc)	11.19A	11.26A	11.33A	11.40A	11.47A	11.54A
Power Tolerance	0 to +5W					
Maximum System Voltage	1000/1500V					
Nominal Operating Cell Temperature	44.4±2°C					
Maximum Series Fuse Rating	15A					

MECHANICAL DATA

Cell Type	166×83mm, Mono
Number of Cells	144(12×6×2)
Weight	24kg
Dimension	2108×1048×40mm
Max Load	5400 Pascals
Junction Box	IP68 rated
Connector	MC4 Compatible
Wire Type	PV Wire

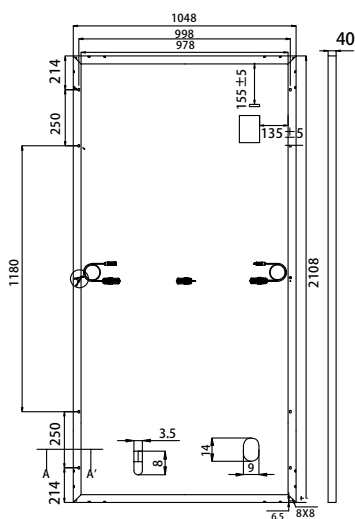
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.05% /°C
Temp. Coeff. of Voc (TK Voc)	-0.28% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.36% /°C

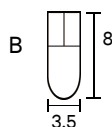
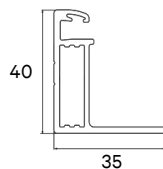
PACKING MANNER

Container	40' HQ
Pieces per Pallet	26
Pieces per Container	616

PHYSICAL CHARACTERISTICS

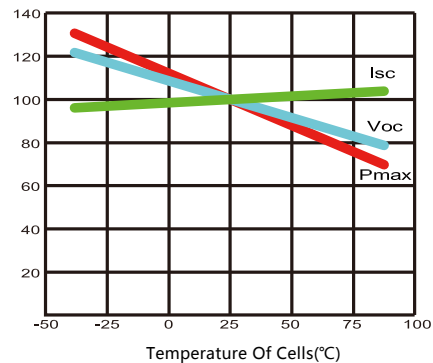
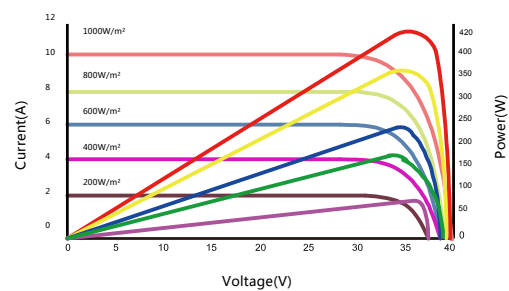


Frame Cross Section A-A



ELECTRICAL CHARACTERISTICS

JST430M(144)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800W/m², 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 is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.