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EnergyPal

Solar Panel Guide Specification Data Sheet

Jiangsu Hosun Solar Power Co., Ltd.

JHX-280-300P72

JHX-290P72

Also available on the web at
EnergyPal.com/jiangsu-hosun-solar-power-co-ltd-solar-panels/jhx-290p72

JHX - xxxP72

Peak Power **280|285|290|295|300** wp



Guaranteed 0-5wp plus output tolerance ensures high return on investment



High module efficiency (up to 15.5%) through superior manufacturing technology



Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Certified by the most reputable labs according to IEC:61215;IEC:61730-1/2 standards



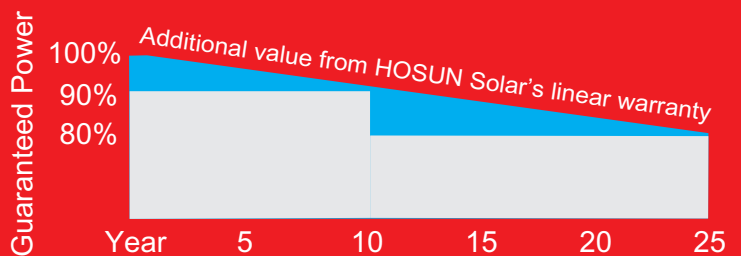
Manufactured and certified according to International Quality and Environment Management System (ISO9001,ISO14001,ISO18000)



linear performance warranty

10 years product warranty

25 years power warranty



Superior Frame Design
Specially designed drainage holes and rigid construction prevent frames from deforming. Screwless frame design for a long term durability.



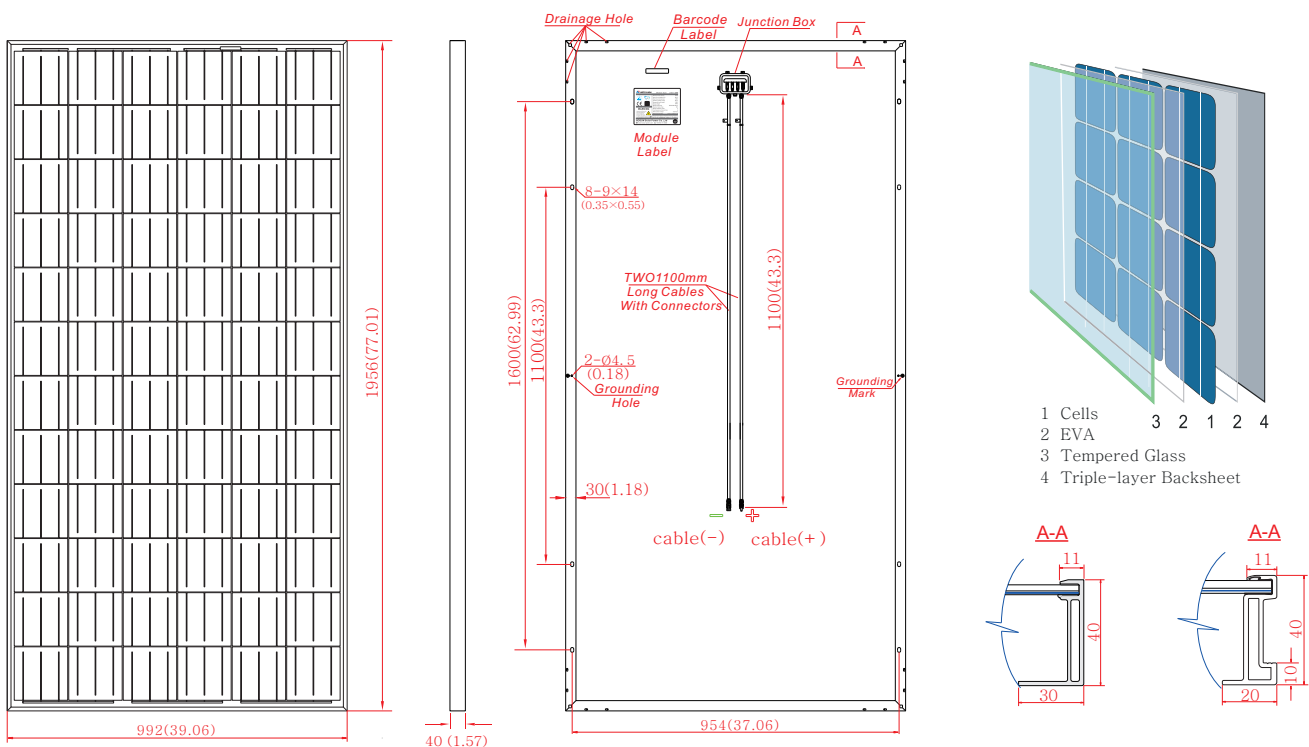
The new aluminum alloy (without mounting hole) is quicker in installment and better in protecting module, thus saving the mounting expense. It can help to avoid cracks on solar cells caused during the installment.

ELECTRICAL CHARACTERISTICS

Module Type	JHX-280P72	JHX-285P72	JHX-290P72	JHX-295P72	JHX-300P72
Maximum Power at STC (Pmax)	280W	285W	290W	295W	300W
Maximum Power Voltage (Vmp)	35.81V	36.08V	36.35V	36.65V	36.95V
Maximum Power Current (Imp)	7.82A	7.90A	7.98A	8.05A	8.12A
Open Circuit Voltage (Voc)	45.33V	45.42V	45.50V	45.59V	45.65V
Short Circuit Current (Isc)	8.56A	8.60A	8.64A	8.68A	8.75A
Maximum System Voltage	DC 1000V(TÜV) / DC 600V(UL)				
Operating Temperature	-40°C to +85°C				
Maximum Series Fuse Rating	15A				
Application Class	Class A				

STC: Irradiation 1000W/m², Module Temperature 25°C, AM=1.5 ; Power Measurement Tolerance:±3%

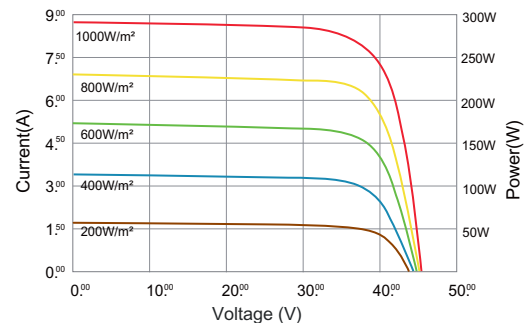
PHYSICAL CHARACTERISTICS



MECHANICAL DATA

Dimension	1956×992×40mm(77.01×39.06×1.57)
Cell Type	Poly Crystalline,Silicon 156mm × 156mm
Number of Cells	72 cells in series(12×6)
Weight	26.0kg±0.5kg
Front Glass	High Transparency Solar Glass4.0mm
Frame	Anodized Aluminium Alloy
Junction Box	TÜV: IP65 rated / IP67 rated,3/6 Diodes
Cable	Photovoltaic Technology 4.0mm ² ,1100mm,
Connector	MC-4 / DJ2011-4(SHIHE) Compatible

Current-Voltage & Power-Voltage Curve
JHX-290P72 (cell temperature:25°C)



TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT):	47°C(±2°C)
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.05%/°C

NOCT:Irradiation 800W/m²,ambient temperature 20°C,wind speed 1m/s

PACKING CONFIGURATION

Container	20GP	40GP	40HC
Pieces per pallet	48/52	48/52	52/56
Pallets per container	5	11	11
Pieces per container	240/260	528/572	550/616