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# **EnergyPal**

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

**Jiangsu Hosun Solar Power Co., Ltd.**

**JHX-90-110M36**

**JHX-100M36**

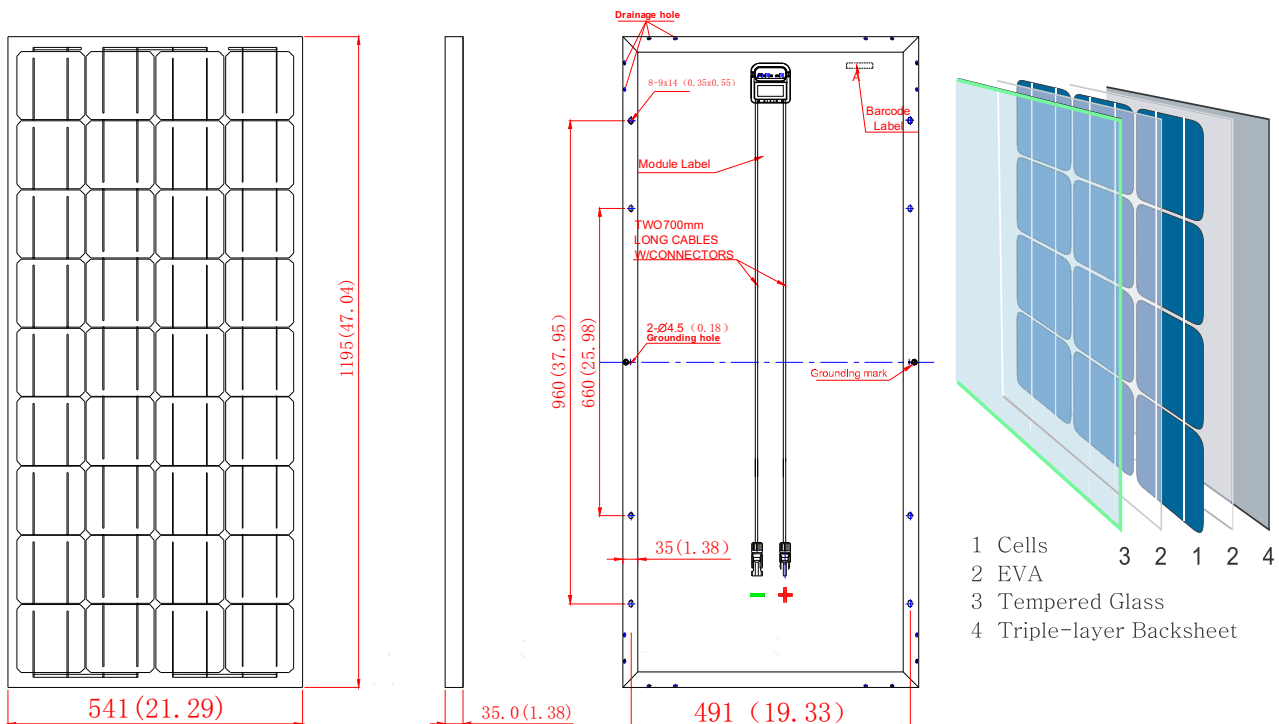
Also available on the web at  
[EnergyPal.com/jiangsu-hosun-solar-power-co-ltd-solar-panels/jhx-100m36](http://EnergyPal.com/jiangsu-hosun-solar-power-co-ltd-solar-panels/jhx-100m36)

## ELECTRICAL CHARACTERISTICS

Module Type	JHX-110M36	JHX-105M36	JHX-100M36	JHX-95M36	JHX-90M36
Maximum Power at STC (Pmax)	110W	105W	100W	95W	90W
Maximum Power Voltage (Vmp)	19.60V	19.24V	18.88V	18.67V	18.51V
Maximum Power Current (Imp)	5.613A	5.458A	5.297A	5.090A	4.863A
Open Circuit Voltage (Voc)	23.30V	22.93V	22.68V	22.39V	22.05V
Short Circuit Current (Isc)	5.913A	5.785A	5.657A	5.523A	5.410A
Module efficiency	16.9%	16.2%	15.4%	14.6%	13.9%
Maximum System Voltage	DC 1000V(TÜV) / DC 600V(UL)				
Operating Temperature	-40°C to +85°C				
Maximum Series Fuse Rating	10A				
Application Class	Class A				

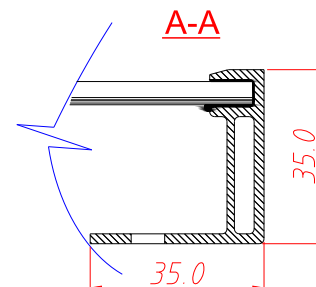
STC: Irradiation 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5 ; Power Measurement Tolerance:±3%

## PHYSICAL CHARACTERISTICS



## MECHANICAL DATA

Dimension	1195x541x35 (47.04x21.29x1.38)
Cell Type	Mono Crystalline Silicon, 125mmx125mm
Number of cells	36 cell in series (9x4)
Weight	10.0kg±0.5kg
Front Glass	High Transparency Solar Glass 3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	TüV: IP65 rated/IP67 rated, 2 diodes
Cable	Photovoltaic Technology 4.0mm <sup>2</sup> , 700mm
Connector	MC-4/DJ2011-4 (SHIHE) Compatible



## 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/mm<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/s

## PACKING CONFIGURATION

Container	40GP	20GP
Pieces per pallet	60 (35*35)	60 (35*35)
Pallets per container	20	9
Pieces per container	1200	540