

**For a Free Quote:**

Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)

Call: 1-800-990-3725

Email: [contact@energypal.com](mailto:contact@energypal.com)

# EnergyPal

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

**Tenka Solar  
300-325W-72P  
325W-72P**

Also available on the web at  
[EnergyPal.com/tenka-solar-solar-panels/325w-72p](http://EnergyPal.com/tenka-solar-solar-panels/325w-72p)



## POLY CRYSTALLINE MODULE 300-325 Watt

### KEY FEATURES



Our solar cells offer high conversion efficiency to ensure the highest quality

Our high performing modules have an industry low tolerance of +5% (optional)

The modules can withstand high wind-pressure, snow loads and extreme temperatures

Passed IEC 5400 Pa mechanical loading test

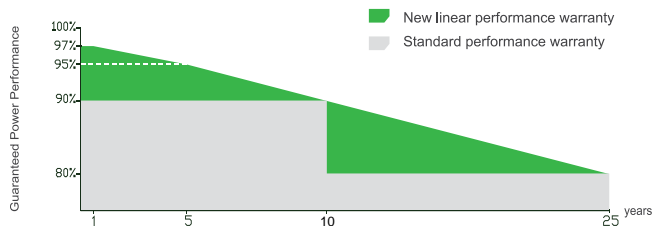
### QUALITY & SAFETY

Industry leading power output warranty

(10 years/90%, 25 years/80%)

10-year warranty on materials & workmanship (optional)

#### Premium Performance Warranty



\* Based on customer requirements and contract terms

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory  
IEC61215, IEC61730 certified products



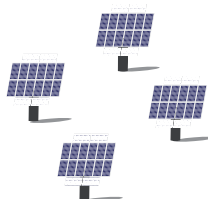
### APPLICATIONS



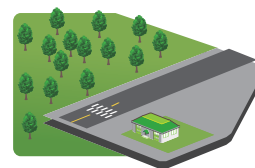
On-grid residential roof-tops



On-grid commercial/  
industrial roof-tops

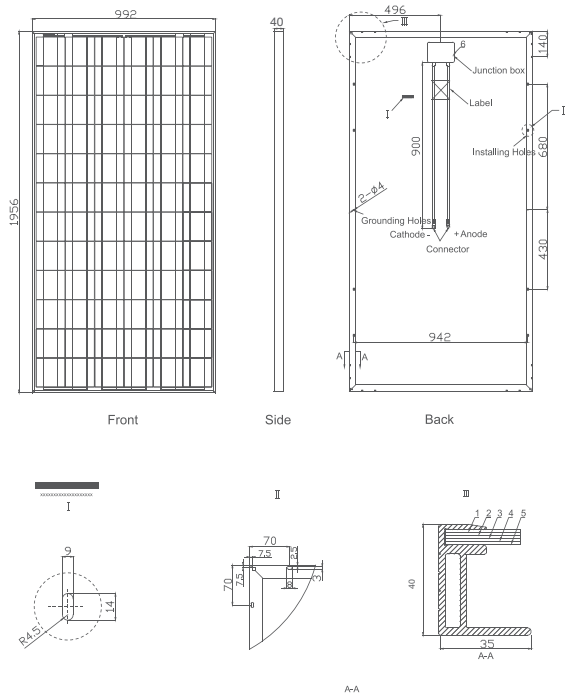


Solar power plants



Off-grid systems

## Engineering Drawings



## Packaging Configuration

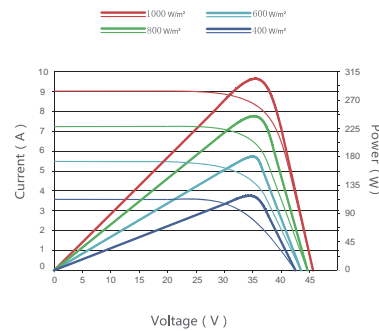
( Two boxes=One pallet )

26pcs/box, 54pcs/pallet, 648pcs/40'HQ Container

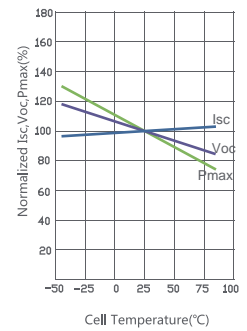
26pcs/box, 52pcs/pallet, 286pcs/20'FT Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (305W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type Poly-crystalline 156×156mm (6 inch)

No. of cells 72 (6×12)

Dimensions 1956×992×40mm (77.01×39.05×1.57 inch)

Weight 26.5 kg (58.4 lbs.)

Front Glass 3.2mm, High Transmission, Low Iron, Tempered Glass

Frame Anodized Aluminium Alloy

Junction Box IP65 Rated

Output Cables TÜV 1×4.0mm² / UL 12AWG, Length:900mm

## SPECIFICATIONS

Module Type	300W-72P	305W-72P	310W-72P	315W-72P	320W-72P	325W-72P
Maximum Power at STC(Pmax)	300Wp	305Wp	310Wp	315Wp	320Wp	325Wp
Maximum Power Voltage (Vmp)	36.6V	36.8V	37.0V	37.2V	37.4V	37.6V
Maximum Power Current (Imp)	8.20A	8.30A	8.38A	8.48A	8.56A	8.66A
Open-circuit Voltage (Voc)	45.3V	45.6V	45.9V	46.2V	46.4V	46.7V
Short-circuit Current (Isc)	8.84A	9.18A	8.96A	9.01A	9.05A	9.10A
Cell Efficiency(%)	18.60%	18.80%	19.00%	19.20%	19.40%	19.60%
Module Efficiency(%)	15.46%	15.72%	15.98%	16.24%	16.49%	16.75%
Operating Temperature(°C)	-40°C~+85°C					
Maximum system voltage	1500V VDC					
Maximum series fuse rating	15A					
Temperature coefficients of Pmax	-0.45%/°C					
Temperature coefficients of Voc	-0.27%/°C					
Temperature coefficients of Isc	0.05%/°C					
Nominal operating cell temperature (NOCT)	45±2°C					

STC: Irradiance 1000W/m²



Module Temperature 25°C



AM=1.5

\* Power measurement tolerance: 0~+5%