

For a Free Quote:

Web: [EnergyPal.com](https://energypal.com)

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

Email: **contact@energypal.com**



Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



TENKA[®]
solar
PHOTOVOLTAIC SYSTEMS



POLY CRYSTALLINE MODULE 240-245 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

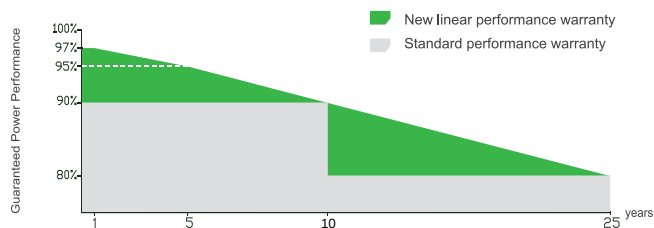
QUALITY & SAFETY

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

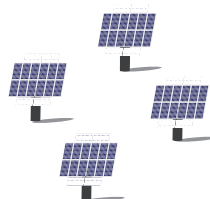
APPLICATIONS



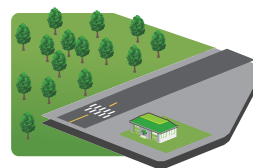
On-grid residential roof-tops



On-grid commercial/
industrial roof-tops

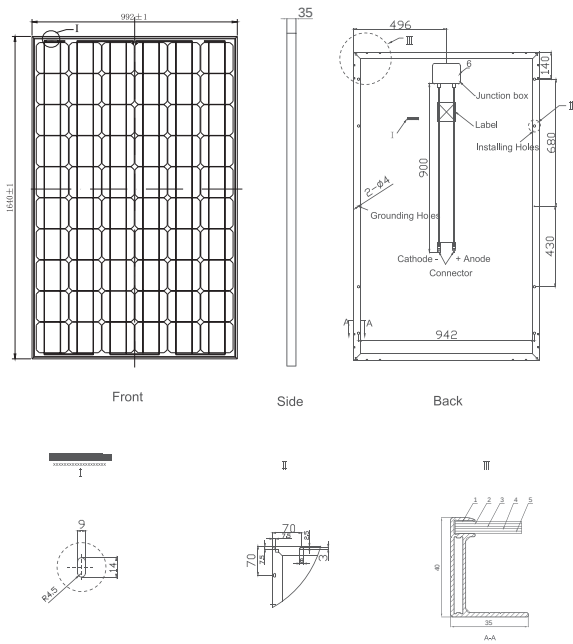


Solar power plants



Off-grid systems

Engineering Drawings



Packaging Configuration

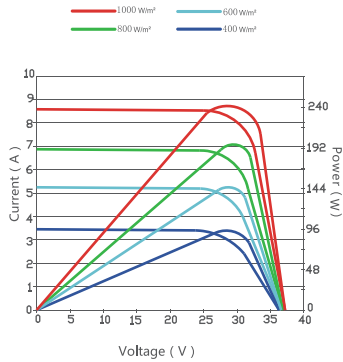
(Two boxes=One pallet)

30pcs/box, 62pcs/pallet, 868pcs/40'HQ Container

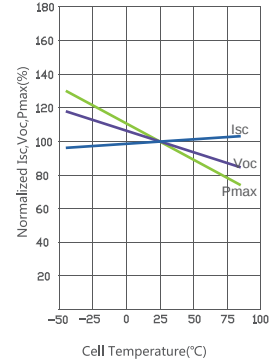
30pcs/box, 60pcs/pallet, 390pcs/20'FT Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (240W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1640×992×35mm (64.97×39.06×1.37 inch)
Weight	18.0kg (38.6 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	240W-60P	245W-60P
Maximum Power at STC(Pmax)	240Wp	245Wp
Maximum Power Voltage (Vmp)	30.0V	30.1V
Maximum Power Current (Imp)	8.01A	8.14A
Open-circuit Voltage (Voc)	37.2V	37.5V
Short-circuit Current (Isc)	8.56A	8.76A
Cell Efficiency(%)	18.20%	18.40%
Module Efficiency(%)	14.75%	15.06%
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000V (IEC) DC	
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: + 5%