



TENKA[®] solar

PHOTOVOLTAIC SYSTEMS

MONO CRYSTALLINE MODULE 250-265 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

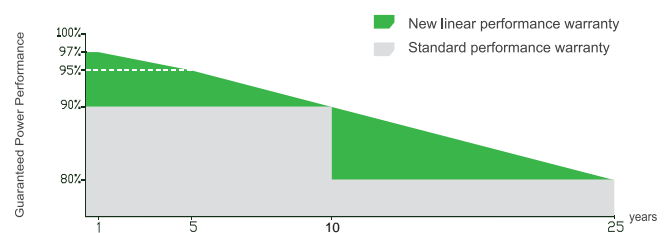
QUALITY & SAFETY

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



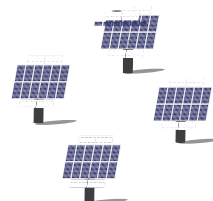
APPLICATIONS



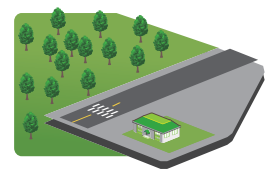
On-grid residential roof-tops



On-grid commercial/
industrial roof-tops

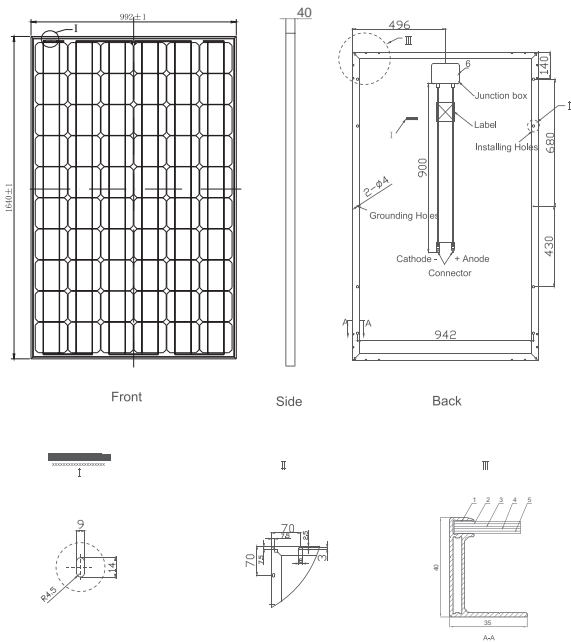


Solar power plants



Off-grid systems

Engineering Drawings



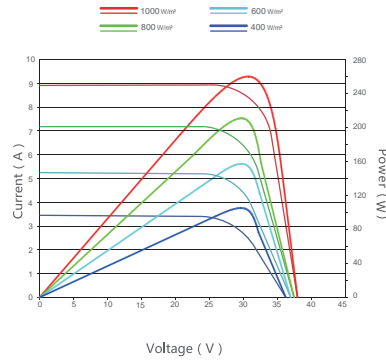
Packaging Configuration

(Two boxes=One pallet)

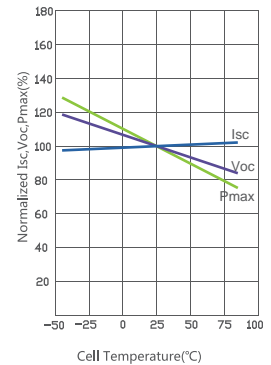
25pcs/ box, 50pcs/pallet, 700 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (260W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1640×992×40mm (64.97×39.06×1.57 inch)
Weight	18.5kg (40.8 lbs.)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² / UL 12AWG, Length:900mm

SPECIFICATIONS

Module Type	TKA250W-60M	TKA255W-60M	TKA260W-60M	TKA265W-60M
Maximum Power at STC(Pmax)	250Wp	255Wp	260Wp	265Wp
Maximum Power Voltage (Vmp)	30.6V	30.8V	30.9V	31.2V
Maximum Power Current (Imp)	8.17A	8.28A	8.42A	8.50A
Open-circuit Voltage (Voc)	37.6V	37.8V	37.9V	38.2V
Short-circuit Current (Isc)	8.70A	8.96A	9.10A	9.19A
Cell Efficiency(%)	18.00%	18.20%	18.40%	18.60%
Module Efficiency(%)	15.27%	15.58%	15.89%	16.19%
Operating Temperature(°C)	-40°C~+85°C			
Maximum system voltage	1000V DC			
Maximum series fuse rating	15A			
Power tolerance	+5% (optional)			
Temperature coefficients of Pmax	-0.43%/°C			
Temperature coefficients of Voc	-0.30%/°C			
Temperature coefficients of Isc	0.04%/°C			
Nominal operating cell temperature (NOCT)	45±2°C			

STC: Irradiance 1000W/m²



Module Temperature 25°C



AM=1.5

* Power measurement tolerance: + 5%