



KTI-SOLAR

MONO



JKM250M-60

MONO CRYSTALLINE MODULE
220-250 Watt

KTI-Solar introduces a brand-new line of high performance modules in wide application.

KEY FEATURES

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

Our high performing modules have an industry low tolerance of +/- 3%

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

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

5-year warranty on product materials and processing technology

ISO 9001:2008 (Quality Management System) certified factory

IEC61215, IEC61730 certified products



APPLICATIONS



On-grid residential roof-tops



On-grid commercial/
Industrial roof-tops

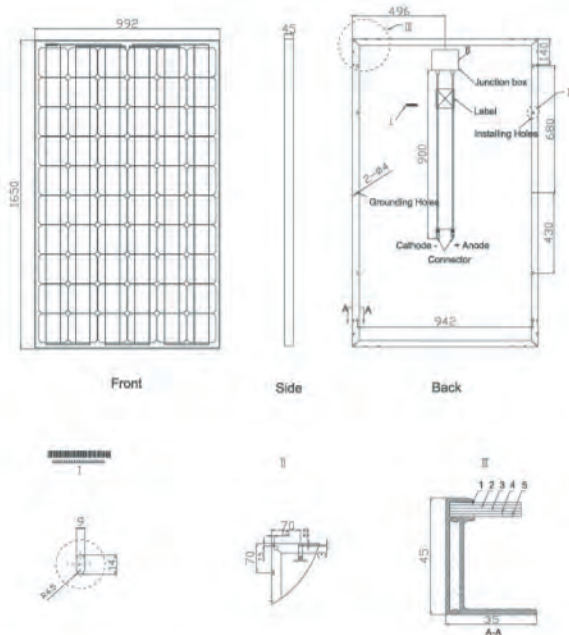


Solar power plants



Off-grid systems

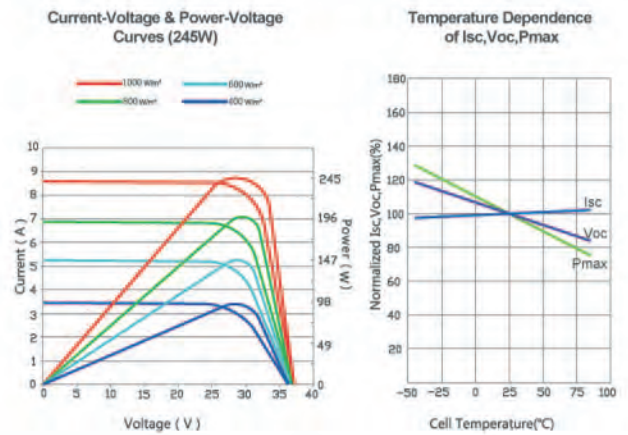
Engineering Drawings



Packaging Configuration

Quantity/Pallet , Quantity/40'HQ Container	24 pcs/pallet,672 pcs/40'HQ
Quantity/Pallet , Quantity/20'ft Container	20 pcs/pallet,240 pcs/20'ft

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1650×992×45mm (64.97×39.06×1.77 inch)
Weight	19.0kg (41.9 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	JKM-220M	JKM-225M	JKM-230M	JKM-235M	JKM-240M	JKM-245M	JKM-250M
Maximum Power at STC(Pmax)	220Wp	225Wp	230Wp	235Wp	240Wp	245Wp	250Wp
Maximum Power Voltage (Vmp)	29.5V	29.7V	29.9V	30.0V	30.2V	30.4V	30.6V
Maximum Power Current (Imp)	7.46A	7.57A	7.69A	7.83A	7.95A	8.06A	8.17A
Open-circuit Voltage (Voc)	36.9V	37.0V	37.1V	37.2V	37.3V	37.4V	37.6V
Short-circuit Current (Isc)	7.97A	8.08A	8.20A	8.31A	8.45A	8.58A	8.70A
Cell Efficiency(%)	15.75%	16.00%	16.50%	16.75%	17.00%	17.50%	18.00%
Module Efficiency(%)	13.44%	13.74%	14.05%	14.36%	14.66%	14.97%	15.27%
Operating Temperature(°C)	-40°C~+85°C						
Maximum system voltage	600V (UL) /1000V (IEC) DC						
Maximum rated current series	15A						
Power tolerance	±3%						
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