

270M-96

MONO CRYSTALLINE MODULE 250-270 Watt

Universal 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 0~+3% (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
(12 years/90%, 25 years/80%)

10-year warranty on materials & workmanship (optional)

ISO 9001:2008 (Quality Management System) certified factory

IEC61215, IEC61730 certified products



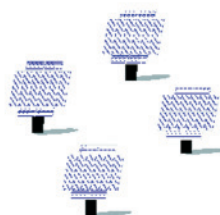
APPLICATIONS



On-grid residential roof-tops



On-grid commercial/
industrial roof-tops

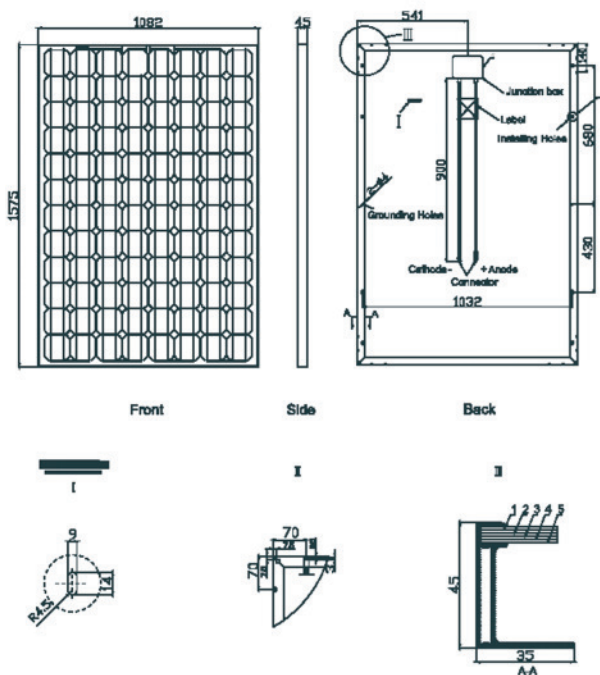


Solar power plants



Off-grid systems

Engineering Drawings

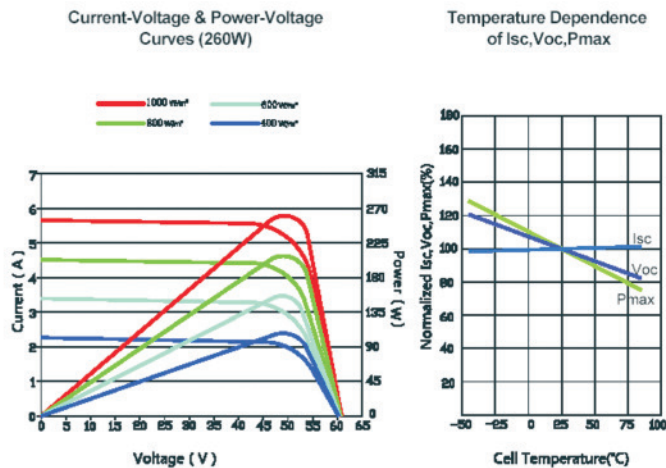


Packaging Configuration

(Two boxes + 4pcs addition module = One pallet)

23 pcs/box, 46 pcs/pallet, 644 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 125×125mm (5 inch)
No. of cells	96 (8×12)
Dimensions	1575×1082×45mm (62.01×42.60×1.77 inch)
Weight	20kg (44.1 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, Length:900mm

SPECIFICATIONS

Module Type	250M	255M	260M	265M	M270M
Maximum Power at STC (Pmax)	250Wp	255Wp	260Wp	265Wp	270Wp
Maximum Power Voltage (Vmp)	49.5V	50V	50.5V	51V	51.5V
Maximum Power Current (Imp)	5.05A	5.10A	5.15A	5.20A	5.24A
Open-circuit Voltage (Voc)	59.9V	60.5V	61.1V	61.7V	62.3V
Short-circuit Current (Isc)	5.61A	5.66A	5.72A	5.77A	5.82A
Module Efficiency (%)	14.67%	14.97%	15.26%	15.56%	15.85%
Operating Temperature (°C)	-40°C ~ +85°C				
Maximum system voltage	1000V (IEC) DC				
Maximum series fuse rating	15A				
Power tolerance	0~+3% (optional)				
Temperature coefficients of Pmax	-0.43%/°C				
Temperature coefficients of Voc	-0.32%/°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: ± 3%



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