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Solar Panel Guide Specification Data Sheet

PurpleRubik New Energy Technology Co., Ltd.

PU-M60 270-280

PU-M60 275

Also available on the web at

EnergyPal.com/purplerubik-new-energy-technology-co-ltd-solar-panels/pu-m60-275



PU-M60 | Mono Crystalline Solar Module 270W / 275W / 280W



Guaranteed 0-+3%wp plus output tolerance ensures high return on investment



High cell efficiency (up to 17.2%) through superior manufacturing technology



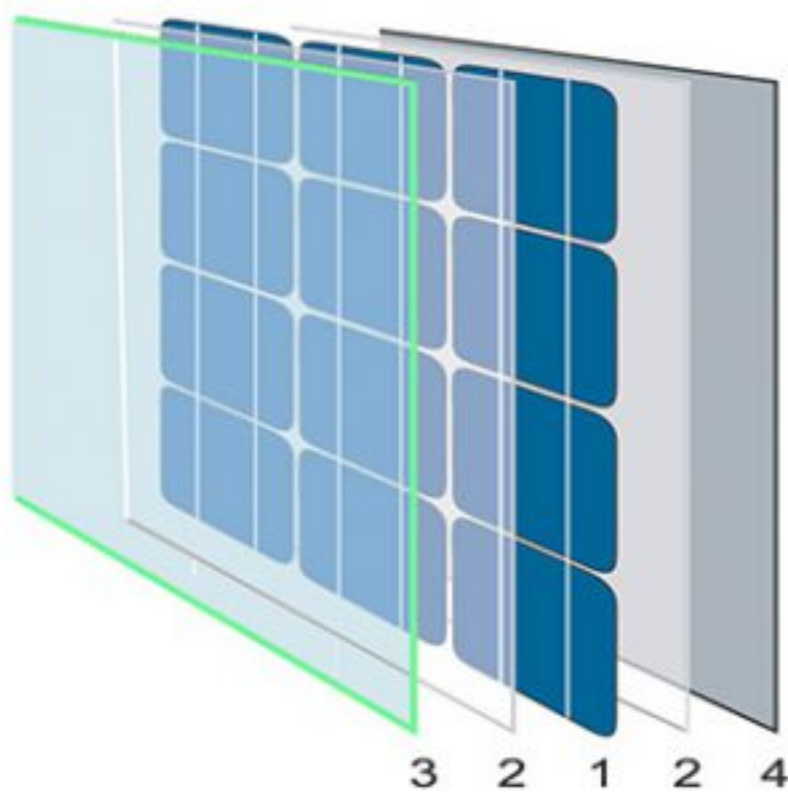
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Certified by the most reputable labs according to IEC:61215, IEC:61730-1/2 standards

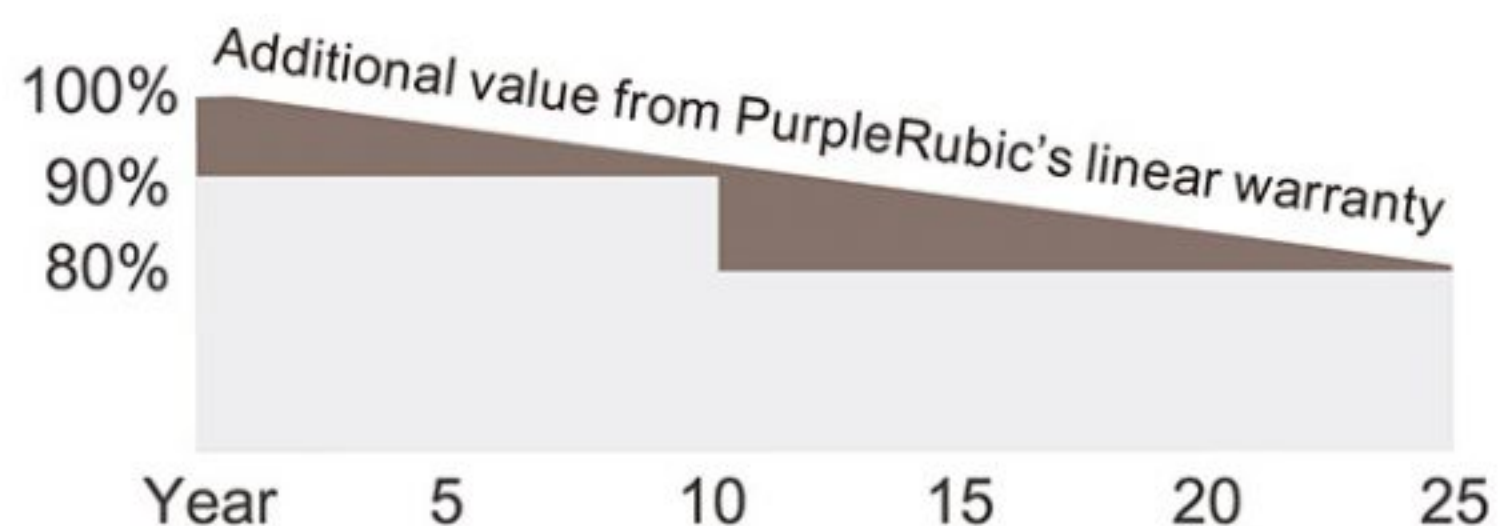


Manufactured and certified according to International Quality and Environment Management System (ISO9001, ISO14001, ISO18000)



- 1 / Cells
- 2 / EVA
- 3 / Tempered Glass
- 4 / Tirple-layer Backsheet

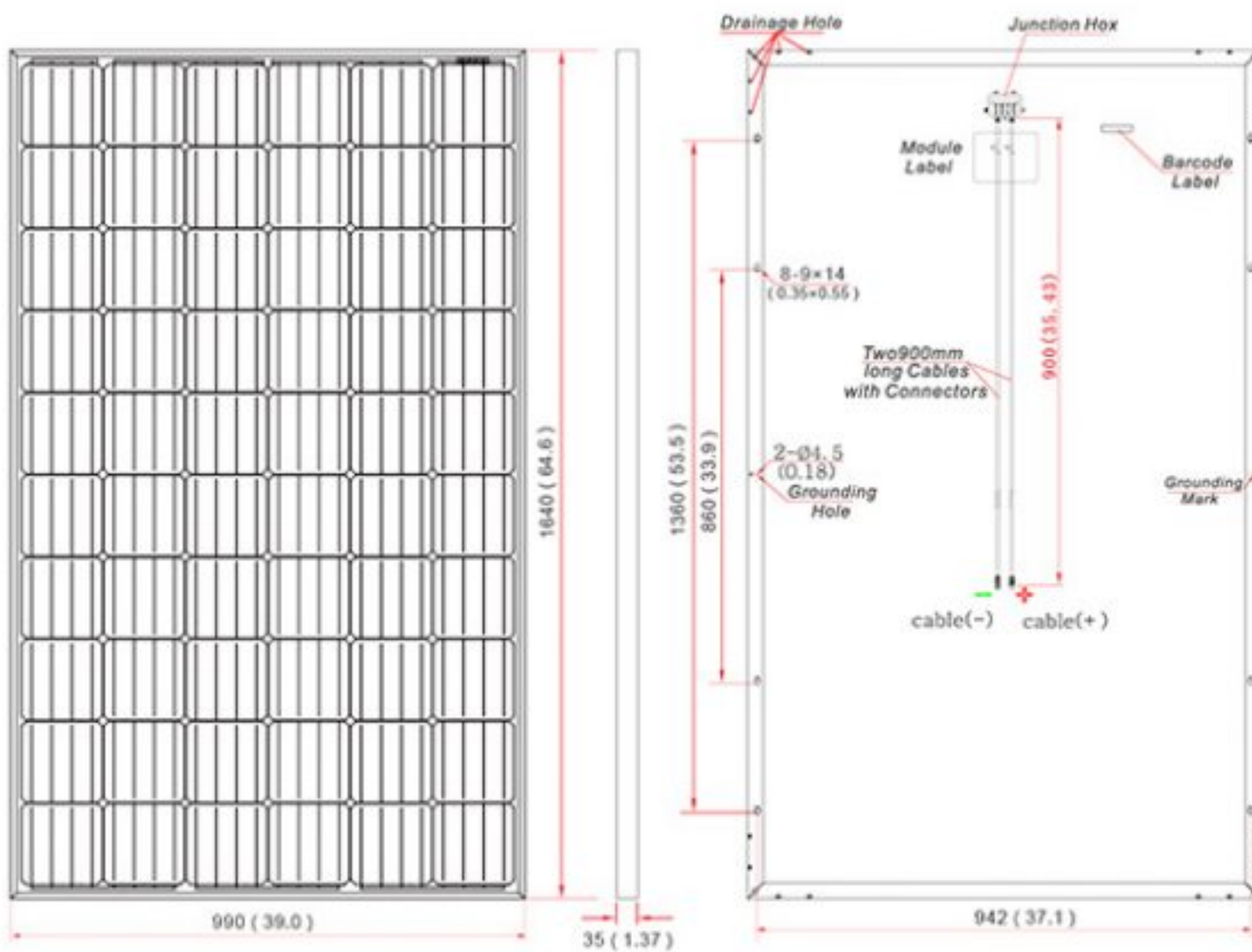
Guaranteed Power



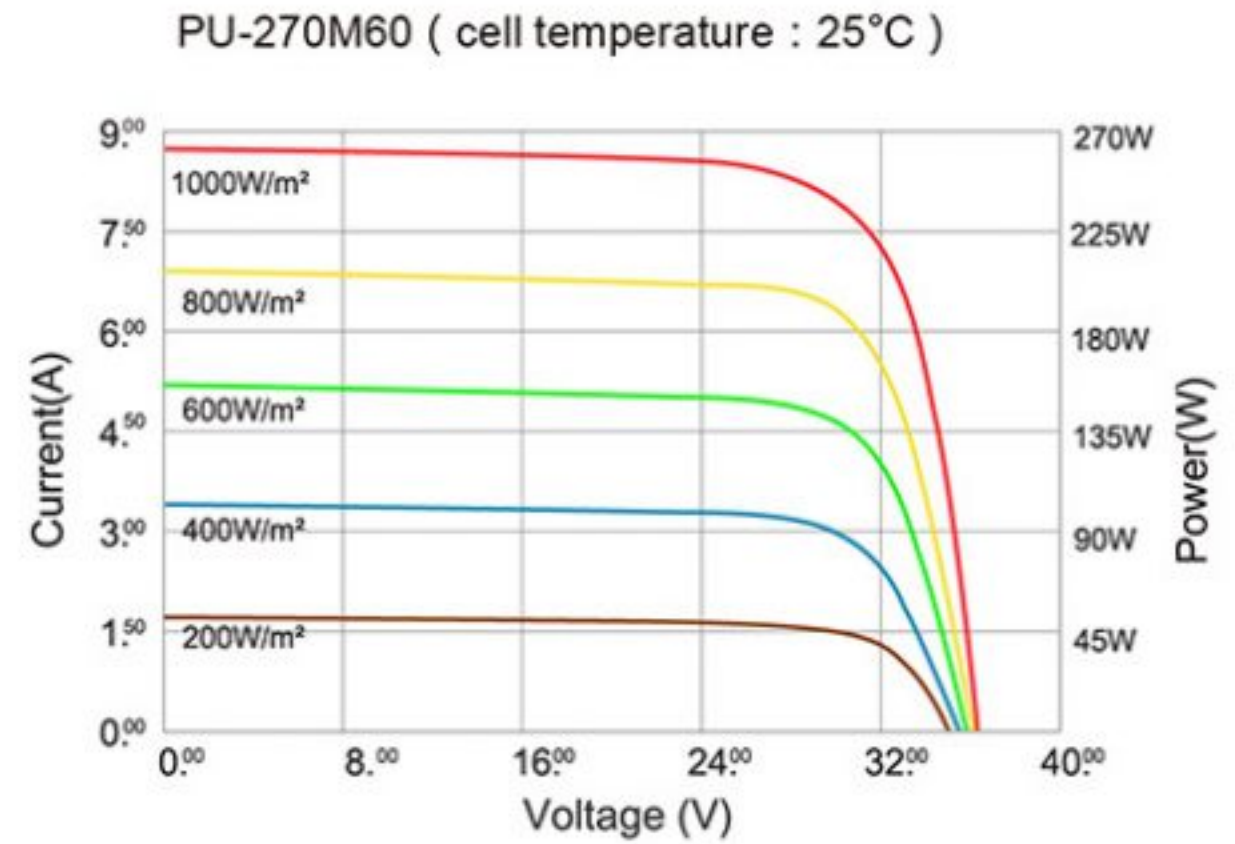


PU-M60

Mono Crystalline Solar Module 270W / 275W / 280W



Current -Voltage & Power-Voltage Curve



ELECTRICAL CHARACTERISTICS



Module Type	PU-270M60	PU-275M60	PU-280M60
Maximum Power at STC (Pmax)	270W	275W	280W
Maximum Power Voltage (Vmp)	31.0V	31.1V	31.2V
Maximum Power Current (Imp)	8.71A	8.85A	8.96A
Open Circuit Voltage (Voc)	38.2V	38.3V	38.4V
Short Circuit Current (Isc)	8.89A	8.95A	9.23A
Module Efficiency	16.60%	16.90%	17.20%
Maximum System Voltage	DC1000V(IEC)		
Operating Temperature	-40°C to +85°C		
Maximum Series Fuse Rating	15A		
Application Class	Class A		
Power Measurement Tolerance	0-+3%		

Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C

PACKING CONFIGURATION



Container	40HC	40HC
Pieces per pallet	28	28+4
Pallets per container	14	14
Pieces per container	784	854

TEMPERATURE RATINGS



Nominal Operating Cell Temperature	45°C (±2°C)
Temp. Coefficient (Pmax)	-0.42%/°C
Temp. Coefficient (Voc)	-0.34%/°C
Temp. Coefficient (Isc)	+0.055%/°C

NOCT: Irradiation 800W/m², ambient temperature 20°C, wind speed 1m/s

MECHANICAL DATA



Cell Type	MonoCrystalline, silicon 156mm*156mm
Cell Arrangement	60 cells in series (10*6)
Dimensions	1640*990*35 (64.57*39.06*1.37 in)
Weight	18.5kg
Front Cover	High Transparency Solar Glass 3.2mm
Frame Material	Anodized Aluminium Alloy
J-Box	Ip67, 3 diodes
Cable	4 mm ² (IEC) 900 mm
Connector	MC-4 Compatible
Per Pallet	28 pieces, 530kg
Per Container (40' HQ)	784 pieces