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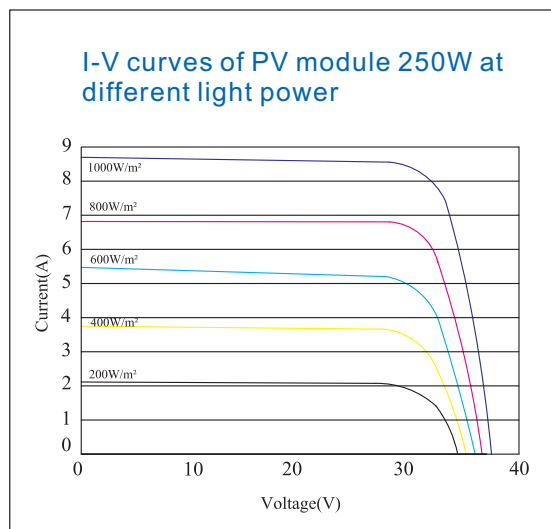


Solar Panel Guide

Specification Data Sheet

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

I-V Curves

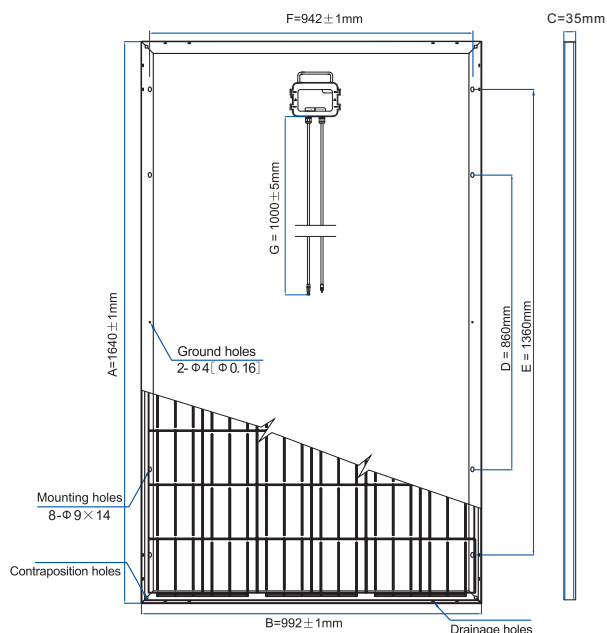


Typical Electrical Characteristics

Solar cells:	Poly-Crystalline 156X156mm 60pcs.(6×10) — 3 bus bars					
Max-power	245Wp	250Wp	255Wp	260Wp	265Wp	270Wp
Power Tolerance	0 to +6W					
Voltage at Pmax (Vmp)	30.7V	30.9V	31.1V	31.3V	31.5V	31.7V
Current at Pmax (Imp)	7.98A	8.09A	8.20A	8.31A	8.41A	8.52A
Open-Circuit Voltage (Voc)	37.5V	37.7V	37.9V	38.2V	38.4V	38.7V
Short-Circuit Current (Isc)	8.58A	8.76A	8.87A	8.99A	9.10A	9.22A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)					
Cell Efficiency	17.0%	17.3%	17.6%	18.0%	18.3%	18.7%
Module Efficiency	15.0%	15.4%	15.7%	16.0%	16.3%	16.6%
No. of Bypass Diodes (pcs.)	3					
Max. Series Fuse (A)	12A					
Temperature Coefficient of Pmax	-0.45%/°C					
Temperature Coefficient of Voc	-0.34%/°C					
Temperature Coefficient of Isc	0.05%/°C					
Nominal Operating Cell Temperature	45±2°C					

***STC Conditions** (1000W/m²; 1.5 AM and 25°C Cell temperature)

Dimensions



Mechanical Characteristics

Cable type, Cross-sectional area and Length	Φ=4mm², L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1640x992x35mm(64.57x39.06x1.37")
Weight	19.6kg (43.1lb)
No. of Draining Holes In Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Back side: White
Junction Box (protection degree)	IP 67
Frame	Clear anodized aluminum alloy type 6063T5 frame

Qualification Test Parameters

Dielectric Insulation Voltage	6000V DC max
Operating Temperature	-40°C to +85°C
Max load	5400Pa
Hailstone impact	25mm (1inch) at 23m/s (52mph)
Tire safety class	Class C

Packaging Configuration

Packaging Configuration	22pcs./box and 2pcs./box	
Quantity of Big Box/Pallet	1box/pallet	1 boxes/pallet
Quantity of Small Box/Pallet	/	9 boxes/pallet
Loading Capacity	616pcs./40'HQ	240pcs./20'GP

► Caution: Read Safety And Installation Instructions Before Using This Product