SOLAR MODULE

Polycrystalline solar module

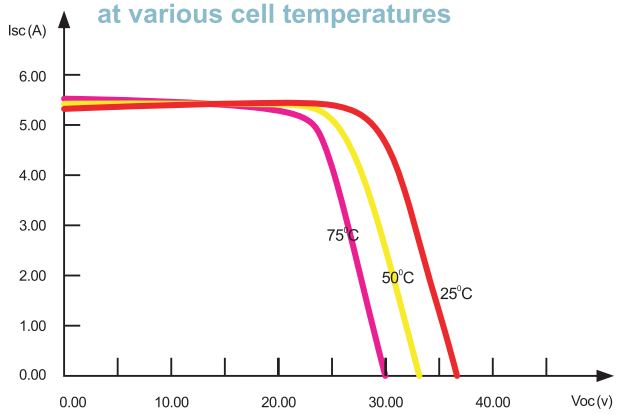
ZDNY-200P60
ZDNY-210P60
ZDNY-220P60
ZDNY-230P60
ZDNY-240P60

Typical electrical characteristics

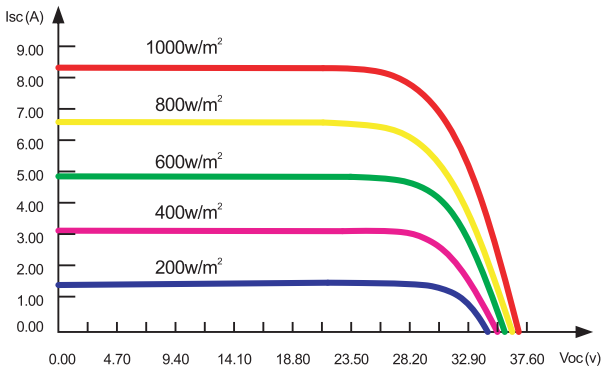
Characteristics	ZDNY-200P60	ZDNY-210P60	ZDNY-220P60	ZDNY-230P60	ZDNY-240P60
Maximum Power at STC(Pmax)	200Wp	210Wp	220Wp	230Wp	240Wp
Optimum Operating Voltage(Vmp)	28.15V	28.40V	28.65V	29.28V	30.20V
Optimum Operating Current(Imp)	7.12A	7.40A	7.69A	7.87A	7.96A
Open-Circuit Voltage(Voc)	36.00V	36.30V	36.80V	37.20V	37.70V
Short-Circuit Curuent(Isc)	8.04A	8.15A	8.22A	8.29A	8.38A
Output Tolerance (Pmax)	±3%				
Solar Cell	Poly-crystalline 156mm×156mm				
Number of cells	60 cells in series				
Maximum System Voltage	1000DC				
Maximum Series Fuse Rating	15A				
Operating Temperature(NOCT)	47℃				
Temperature Coefficient of Isc	(+0.04%/℃)				
Temperature Coefficient of Voc	(-0.35%/℃)				
Temperature Coefficient of Pm	(-0.5%/℃)				

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m^2 solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

I-V Curves of PV module ZDNY-220P60 at various cell temperatures

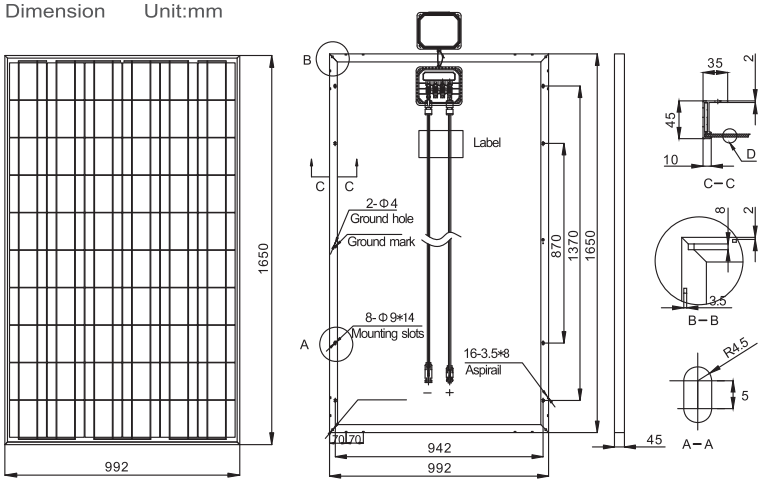


I-V Curves of PV module ZDNY-220P60 at various solar irradiance



SOLAR MODULE

Dimension Unit:mm



Functional Features

- Applies to commercial, residential applications for on-grid and off-grid applications.
- Produced with strict quality control standards and a worldwide certification program.
- Easily installed on the ground, roof, building face or tracking system.
- Reduces electricity cost and creates energy independently.
- Modular, no moving parts, fully scalable and easily installed.
- Reliable and virtually maintenance-free power generation.
- Helps environment by reducing air, water and land pollution.
- Provides clean, quiet and reliable electricity generation.

Specifications included in this datasheet are subject to change without prior notice

The structure of solar modules

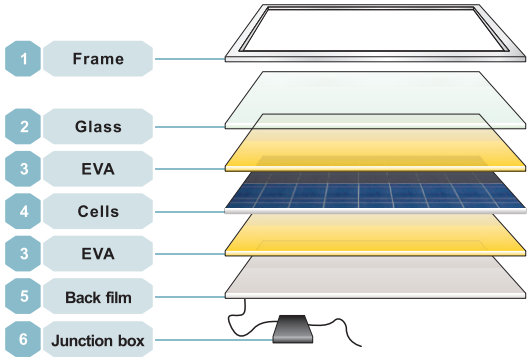
Cells
The high-efficiency of mono and poly solar cells ensure adequate power for panels.

Glass
Low iron tempered glass, 3.2mm thickness with higher reflectivity.

EVA
Higher transmission rate , antioxidant capacity and temperature resistance , no expansion or contraction.

Back film
Increase efficiency of modules slightly and reduce module's temperature. Aging resistance, corrosion resistance and airtight.

Frame
Using the framework of the anodized aluminum frame with high intensity, mechanical shock resistance capability.



Output

Type of output terminal	TUV certified Junction box
Cable	PV-RH 4mm^2
Cable length	900mm(-) and 900mm(+)
Connection	Connectors Class A
Shunt diode	15A

Packing information

Package size	1680×1030×120mm
Packing Configuration	2pcs/carton 11cartons/pallet
Load Capacity (Carton box)	260pcs/20'GP container
	528pcs/40'GP container
Package size	1710×1050×1020mm
Packing Configuration	21pcs/carton 26cartons/pallet
Load Capacity (Carton case)	546pcs/40'GP container
	624pcs/40'HQ container

Suntellite