

ENERGÍA SOLAR

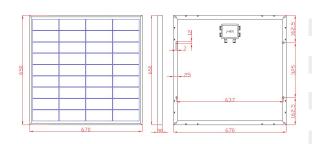
60 / 65 W Polycrystalline Solar Module



Warranty 10-year repair and workmanship warranty 12-year warranty at 90% power output 25-year warranty at 80% power output

Typical Electrical Characteristics		
Models	NHN- 60W-PS	NHN- 65W-PS
Max. Power (Pmax)	60Wp	65Wp
Optimum Operating Voltage (Vm)	17.6V	18.2V
Optimum Operating Current (Im)	3.41A	3.58A
Open-circuit Voltage (Voc)	22.4V	22.8V
Short-circuit Current (Isc)	3.61A	3.78A
Module efficiency	13.8%	15.0%

Note: the specifications are obtained under the Standard Test Condition (STC): 1,000W/m², Am 1.5, Cell Temperature 25°C



Solar cell	Poly-crystalline 156×65mm	
Power Tolerance (Pmax)	0 ~ +3%	
Numbers of cells	36pcs of cells in series	
Module Dimension	650×670×30mm	
Weight	5.5Kg	
Max. System Voltage	1000V DC	
Max. Series Fuse Rating		
Temperature cycling range	-40°C ~ +85°C	
NOTC	47°C	
Temperature coefficients of Isc	(+0.06%/°C)	
Temperature coefficients of Voc	(-0.35%/°C)	
Temperature coefficients of Pmax	(-0.4%/°C)	
Load Capacity	704pcs/ 20'GP	
•	1408pcs/40'GP	



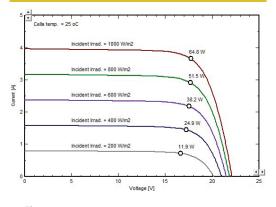
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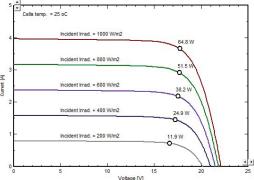
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Functional Features

- Applies to commercial, residential applications for 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.

I-V CLIRVE





Certification



1 Frame 2 Glass 3 EVA 4 Cells 3 EVA 5 Back film 6 Junction box

The Structure of Solar Modules

Cells

The hi-efficiency of mono and poly solar cells ensureadequate power for panels.

Glass

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

EVA

Highertransmission 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.

Aluminum Frame

Usingthe framework of the anodized aluminum frame with high intensity, mechanical shock resistance capacity.