



# Panel Solar Emax Technologies 95 / 100 / 105 W POLICRISTALINO

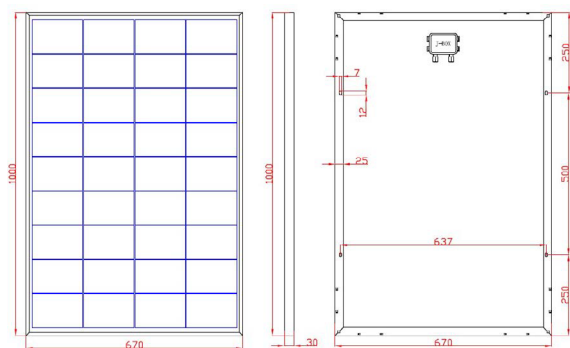


**Warranty**  
10-year repair and workmanship warranty  
12-year warranty at 90% power output  
25-year warranty at 80% power output

## Typical Electrical Characteristics

Models	NHN-95W-PS	NHN-100W-PS	NHN-105W-PS
Max. Power (Pmax)	95Wp	100Wp	105Wp
Optimum Operating Voltage (Vm)	17.4V	17.8V	18.2V
Optimum Operating Current (Im)	5.46A	5.62A	5.77A
Open-circuit Voltage (Voc)	21.8V	22.4V	22.6V
Short-circuit Current (Isc)	5.78A	5.95A	6.11A
Module efficiency	14.2%	15.0%	15.7%

Note: the specifications are obtained under the Standard Test Condition (STC): 1,000W/m<sup>2</sup>, Am 1.5, Cell Temperature 25°C



Solar cell	Poly-crystalline 156×104mm
Power Tolerance (Pmax)	0 ~ +3%
Numbers of cells	36pcs of cells in series
Module Dimension	1000×670×30mm
Weight	8Kg
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	448pcs/ 20'GP 1008pcs/ 40'GP

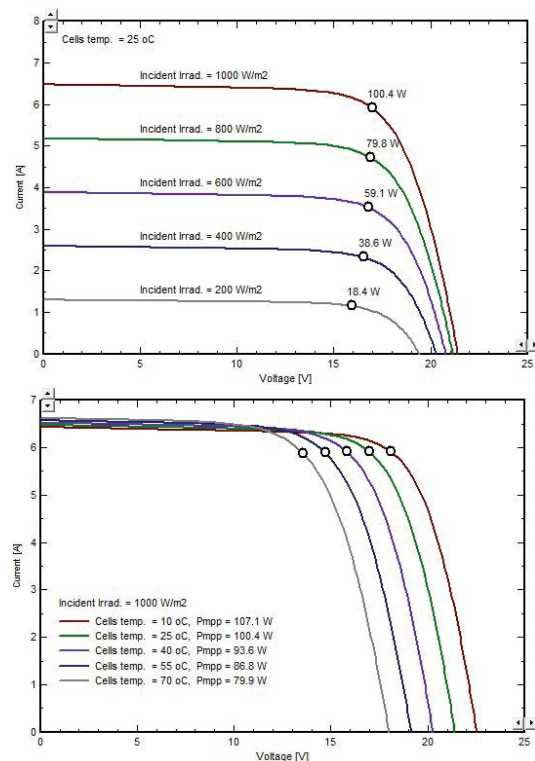
# Panel Solar Emax Technologies 95 / 100 / 105 W POLICRISTALINO

- 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.

## Certification



## I-V CURVE



## The Structure of Solar Modules

### Cells

The hi-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.

### Aluminum Frame

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

