

# **NH-220P**

# **NH-230P**

*NH-220P NH-225P NH-230P*  
*NH-235P NH-240P*

## **Polycrystalline Photovoltaic Module**



### **◆ Features**

- ◆ High module efficiency
- ◆ Stable power output due to leading process technologies
- ◆ Outstanding electrical performance in high temperatures and low irradiance conditions
- ◆ Easy to install based on innovative engineering design
- ◆ Resilient to all weather applications

### **◆ Applications**

- ◆ On-grid utility systems
- ◆ On-grid commercial systems
- ◆ Off-grid residential systems

### **◆ Quality and Warranty**

- ◆ 0 - +3% peak power
- ◆ Average power of modules in single order is guaranteed not less than the peak power
- ◆ Rigorous quality control meeting the highest international standards
- ◆ 5 year warranty (see manufacturer's warranty for further details)
- ◆ 12 and 25 year performance warranty (see manufacturer's warranty for further details)

## SPECIFICATIONS

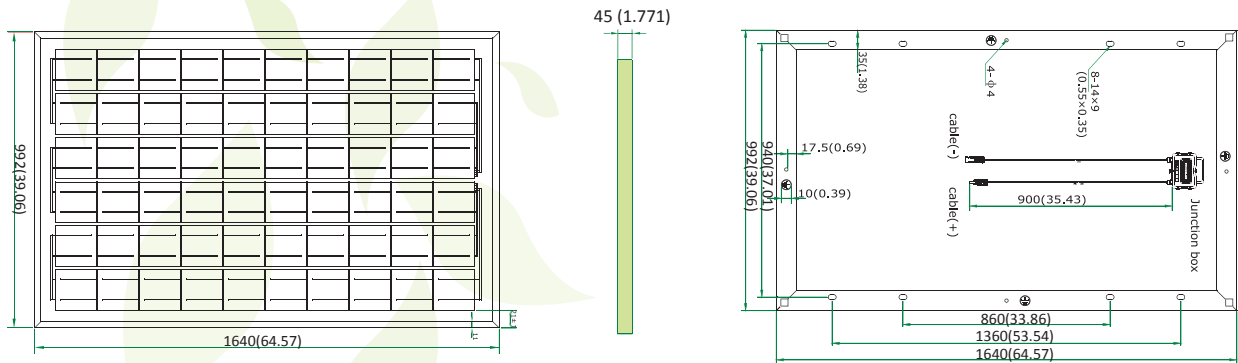
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25 C.

Model type	NH-220P	NH-225P	NH-230P	NH-235P	NH-240P
Peak power (Pmax)	220W	<b>225W</b>	<b>230W</b>	235W	240W
Maximum power voltage (Vmp)	29.40V	<b>29.50V</b>	<b>29.70V</b>	29.70V	29.90V
Maximum power current (Imp)	7.48A	<b>7.63A</b>	<b>7.74A</b>	7.91A	8.03A
Open circuit voltage (Voc)	35.90V	<b>36.10V</b>	<b>36.2V</b>	36.20V	36.40V
Short circuit current (Isc)	8.40A	<b>8.53A</b>	<b>8.70A</b>	8.80A	9.05A

Maximum system voltage	DC 1000V
Temp. Coeff. of Isc (TK Isc)	0.065 % /°C
Temp. Coeff. of Voc (TK Voc)	-0.346 % /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.488 % /°C
Normal Operating Cell Temperature	45.0±2°C

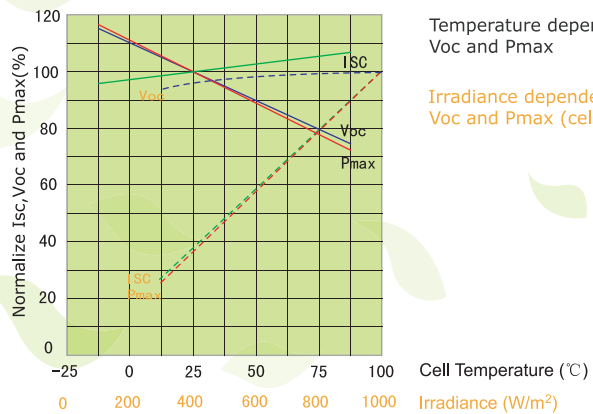
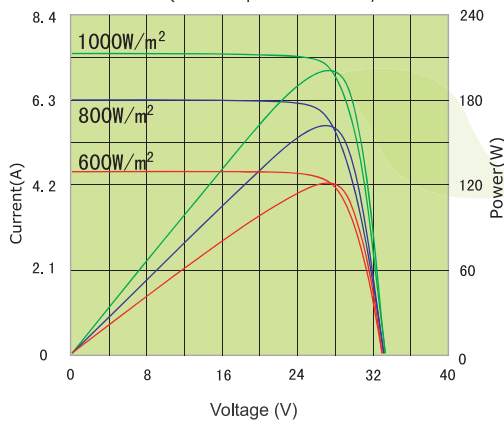
Cell type	PolyCrystalline Silicon, 156mm x 156mm
Number of cells	60 cells in series
Weight	19.0 kg (42.99 lbs)
Dimensions	1640 x 992 x 45 mm

## PHYSICAL CHARACTERISTICS Unit:mm (inch)



## ELECTRICAL CHARACTERISTICS

Electrical performance  
(cell temperature:25°C)



Temperature dependence of Isc, Voc and Pmax

Irradiance dependence of Isc, Voc and Pmax (cell temperature:25 °C)