POLY

PHOTOVOLTAIC MODULE 96CELLS

NE420-48P / NE425-48P / NE430-48P/ NE440-48P

KEY FEATURES

Positive Power Tolerance

Bring additional electricity to customers

Durability against extreme environmental conditions

High salt mist and ammonia resistance certified by TUV

High Efficiency

Higher module conversion efficiency achieved through advanced manufacturing technology

Severe Weather Resilience

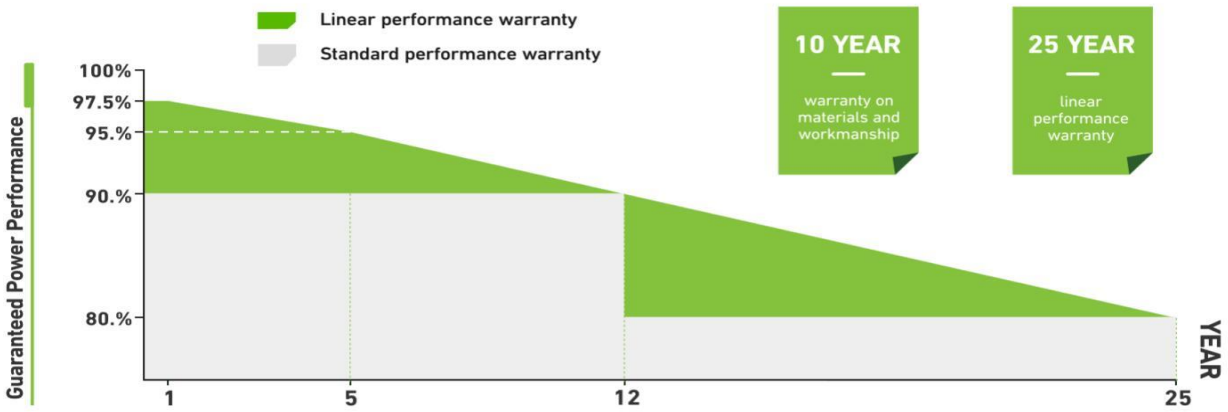
Wind load(2400Pa)

Snow load(5400Pa)

Low-Light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.

MODULE FEATURES AND WARRANTY



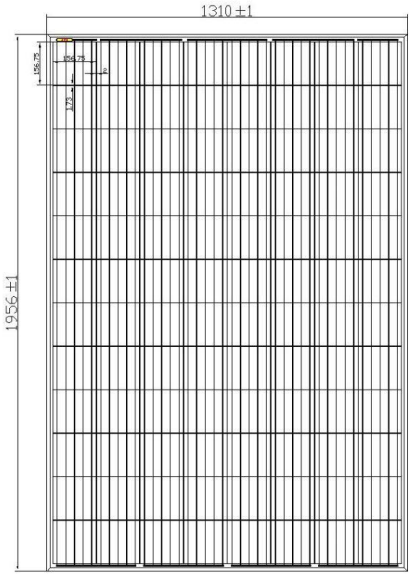
Nesol Energy

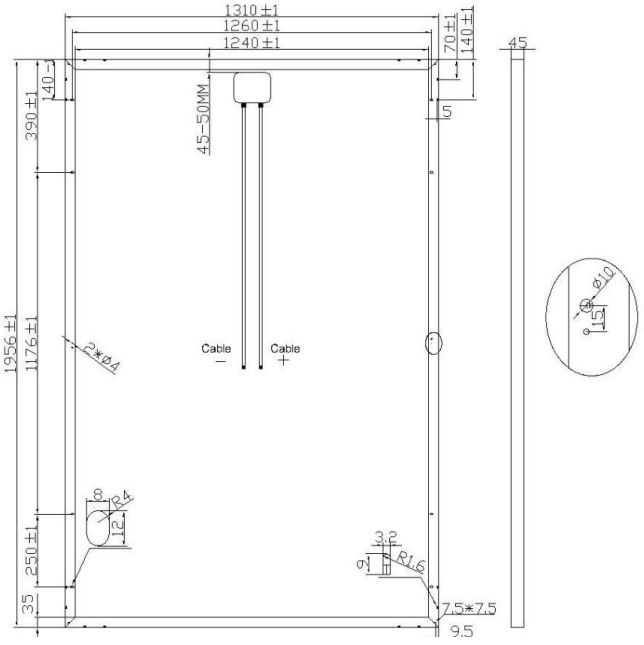
Electrical Characteristics

Model	NE420-48P	NE425-48P	NE430-48P	NE440-48P
Maximum Power at STC(Pmax)	**420W**	**425W**	**430W**	**440W**
Optimum Operating Voltage (Vmp)	48.98V	49.02V	49.06V	49.10V
Optimum Operating Current (Imp)	8.57A	8.66A	8.76A	8.96A
Open-Circuit Voltage (Voc)	58.42V	58.55V	58.68V	58.81V
Short-Circuit Current (Isc)	9.16A	9.27A	9.33A	9.54A
Solar Cell Efficiency (%)	18.16	18.38	18.78	19.21
Solar Module Efficiency (%)	16.39	16.59	16.78	17.17
Operating Temperature	-40 to 85℃			
Maximum System Voltage	DC1000			
Maximum Series Fuse Rating	15A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5				

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	47℃+/-2℃
Temperature Coefficient of Pmax	-0.45%/℃
Temperature Coefficient of VOC	-0.32%/℃
Temperature Coefficient of ISC	+0.05%/℃
Solar cell	Poly156*156mm
No.of cells	96(8×12)
Dimensions	1956mm*1310mm*45mm
Weight	26.00kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP Rating≥IP67
Connector	MC4 or compatible
Output cables	PV 4.0mm²,0.9m
Packing	Wooden Pallet
1*20'	200 pcs
1*40'HQ	480 pcs





IV-Curves