



# PHOTOVOLTAIC MODULE 54CELLS

NE220-27P / NE230-27P

## 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)

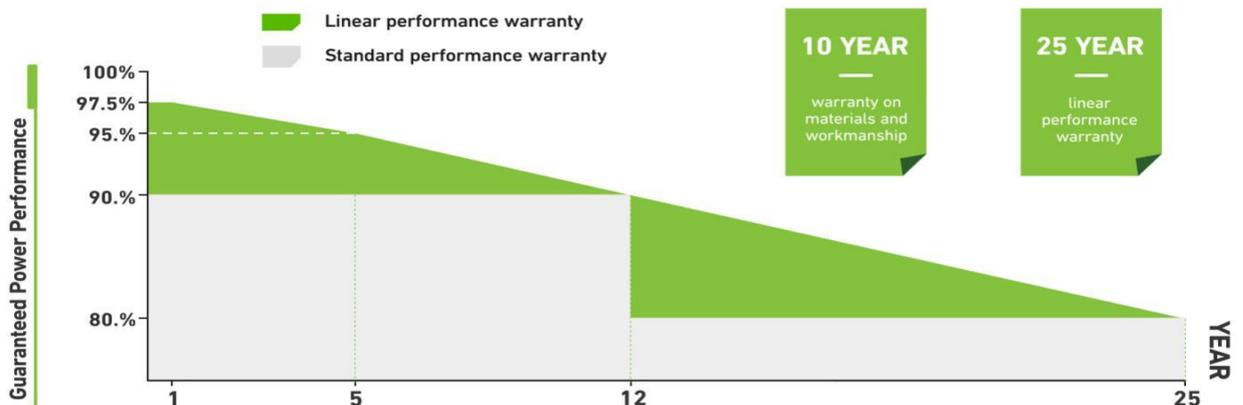


### Low-Light Performance

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



## MODULE FEATURES AND WARRANTY

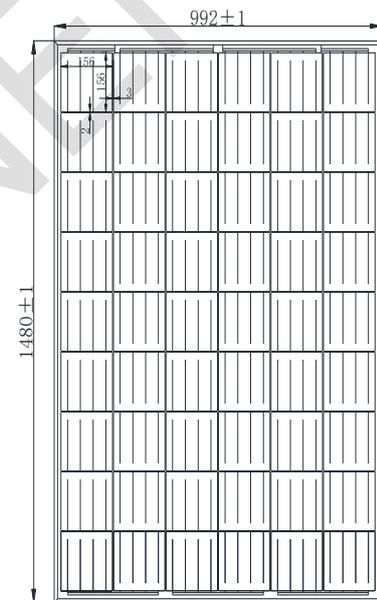


## Electrical Characteristics

Model	NE220-27P	NE230-27P
Maximum Power at STC(Pmax)	220	230
Optimum Operating Voltage (Vmp)	27.57V	27.82V
Optimum Operating Current (Imp)	7.98A	8.27A
Open-Circuit Voltage (Voc)	33.08V	33.48V
Short-Circuit Current (Isc)	8.87A	9.16A
Solar Cell Efficiency (%)	17.08	17.85
Solar Module Efficiency (%)	14.96	15.64
Operating Temperature	-40 to 85°C	
Maximum System Voltage	DC1000	
Maximum Series Fuse Rating	15A	
Power Tolerance	0~+3%	
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25°C,AM=1.5		

## Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	47°C+/-2°C
Temperature Coefficient of Pmax	-0.45%/°C
Temperature Coefficient of VOC	-0.32%/°C
Temperature Coefficient of ISC	+0.05%/°C
Solar cell	Poly156*156mm
No.of cells	54(6*9)
Dimensions	1482mm*992mm*40mm
Weight	17.00kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP Rating≥IP67
Connector	MC4 or compatible
Output cables	PV 4.0mm <sup>2</sup> ,0.9m
Packing	Wooden Pallet
1*20'	308 pcs
1*40'HQ	750 pcs



## IV-Curves

