



# PHOTOVOLTAIC MODULE 96CELLS

NE460-48M / NE470-48M / NE480-48M

NE490-48M / NE500-48M

## 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

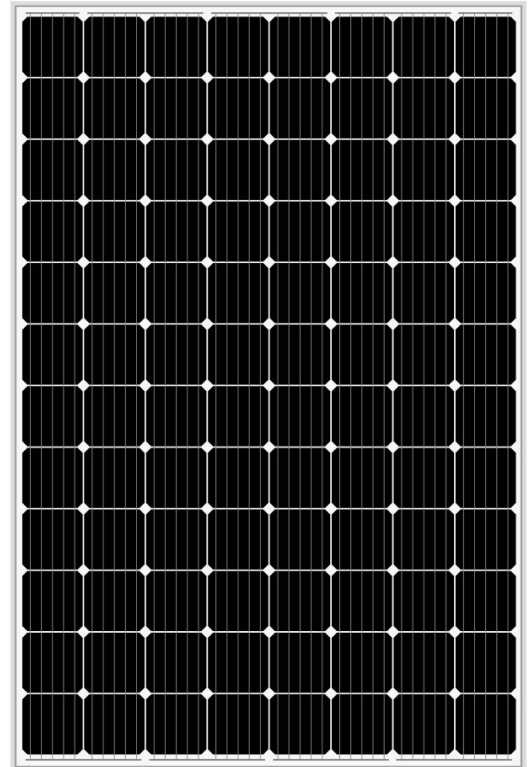
Wind load(2400Pa)

Snow load(5400Pa)

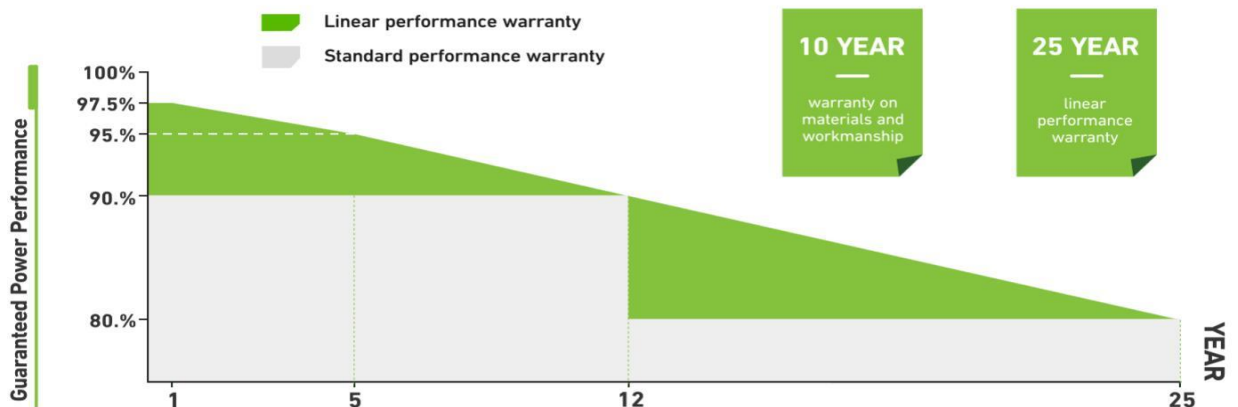


### Low-Light Performance

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



## MODULE FEATURES AND WARRANTY

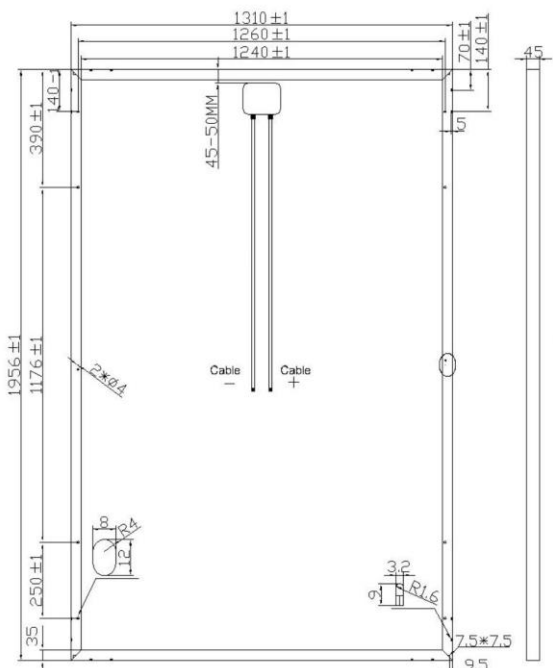
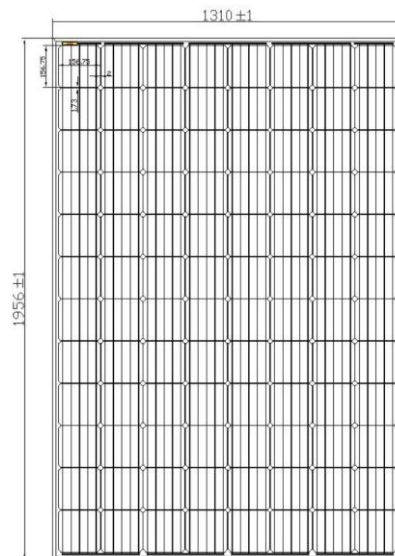


## Electrical Characteristics

Model	NE460-48M	NE470-48M	NE480-48M	NE490-48M	NE500-48M
Maximum Power at STC(Pmax)	460W	470W	480W	490W	500W
Optimum Operating Voltage (Vmp)	49.12V	49.77V	50.13V	50.52V	50.82V
Optimum Operating Current (Imp)	9.36A	9.44A	9.52A	9.70A	9.84A
Open-Circuit Voltage (Voc)	57.75V	58.84V	59.25V	60.35V	60.41V
Short-Circuit Current (Isc)	10.01A	10.10A	10.19A	10.29A	10.53A
Solar Cell Efficiency (%)	20.09	20.52	21.08	21.52	21.83
Solar Module Efficiency (%)	17.95	18.34	18.73	19.12	19.51
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	-0.42%/°C
Temperature Coefficient of VOC	-0.32%/°C
Temperature Coefficient of ISC	+0.05%/°C
Solar cell	Mono156*156mm
No.of cells	96 (8*12)
Dimensions	1956mm*1310mm*45mm
Weight	26.0kg
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 box Pallet
1*20'	200pcs
1*40'HQ	480pcs



## IV-Curves

