



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

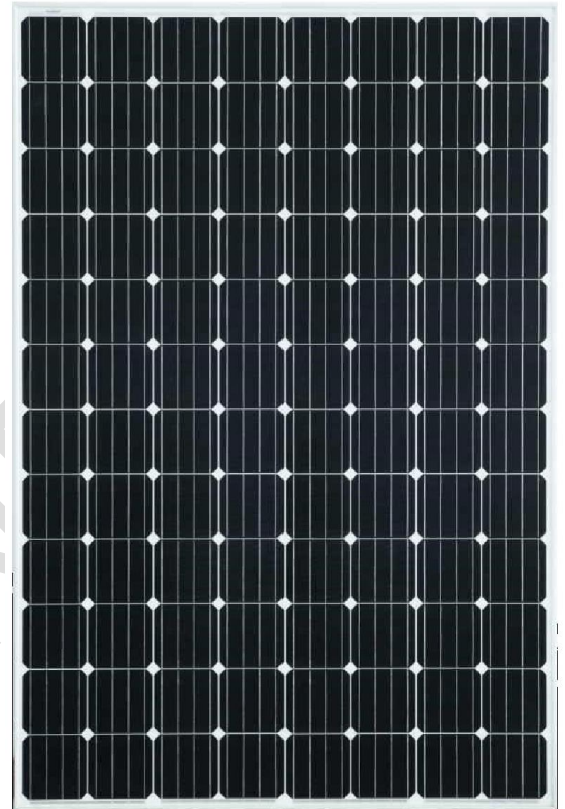
Wind load(2400Pa)

Snow load(5400Pa)

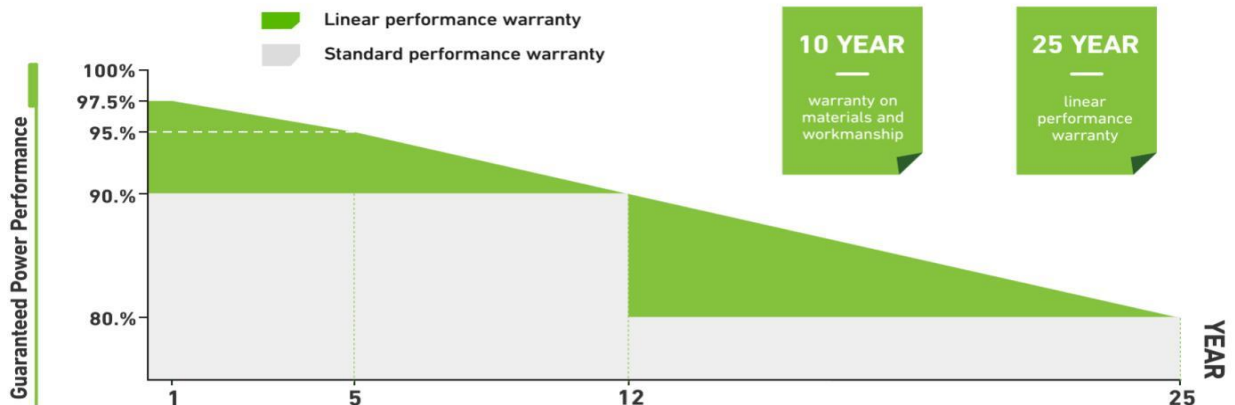


Low-Light Performance

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



MODULE FEATURES AND WARRANTY

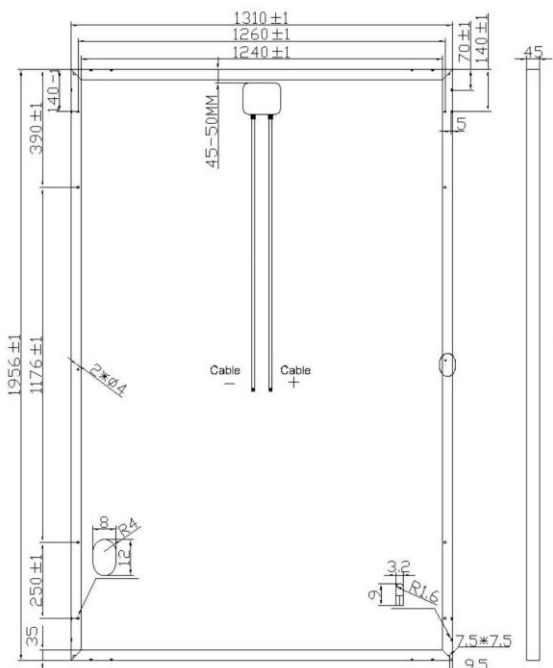
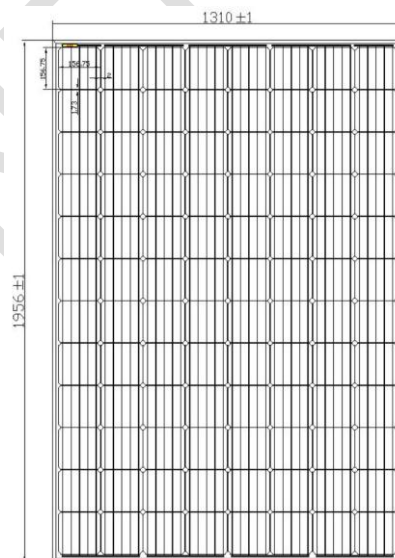


Electrical Characteristics

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 ² ,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 ² ,0.9m
Packing	Wooden box Pallet
1*20'	200pcs
1*40'HQ	480pcs



IV-Curves

