



# PHOTOVOLTAIC MODULE 36CELLS

NE150-18M / NE160-18M / NE170-18M / NE180-18M

## 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)

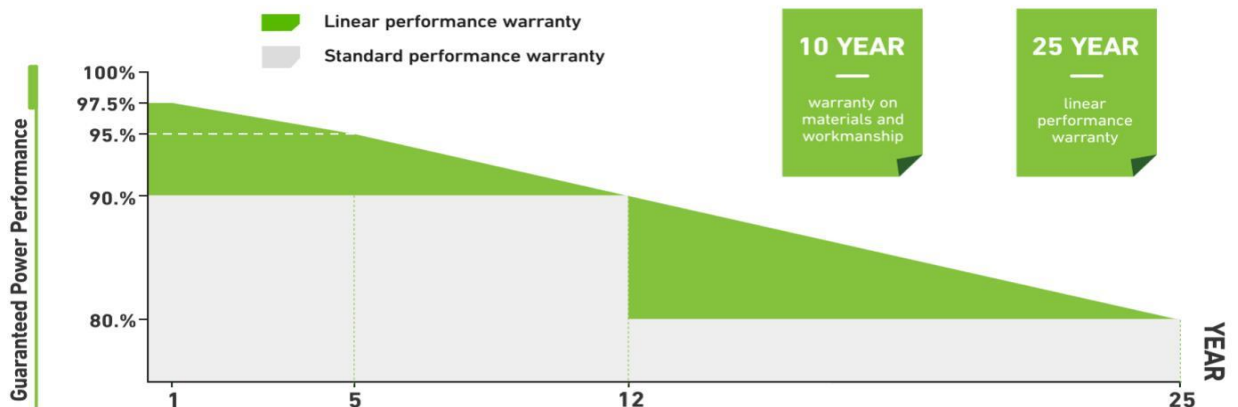


### Low-Light Performance

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



## MODULE FEATURES AND WARRANTY

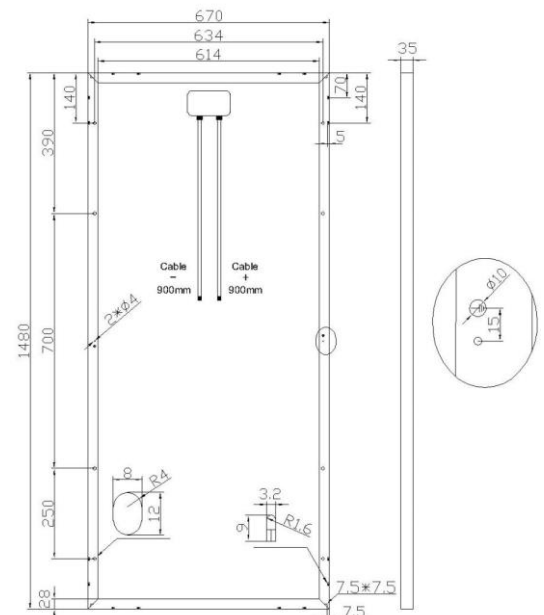
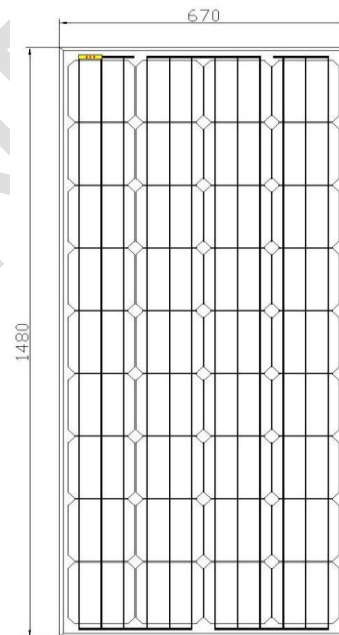


## Electrical Characteristics

Model	NE150-18M	NE160-18M	NE170-18M	NE180-18M
Maximum Power at STC(Pmax)	<b>150W</b>	<b>160W</b>	<b>170W</b>	<b>180W</b>
Optimum Operating Voltage (Vmp)	17.86V	18.23V	18.27V	18.64V
Optimum Operating Current (Imp)	8.40A	8.78A	9.31A	9.66A
Open-Circuit Voltage (Voc)	22.38V	22.48V	22.52V	22.62V
Short-Circuit Current (Isc)	8.94A	9.49A	10.07A	10.62A
Solar Cell Efficiency (%)	17.44	18.60	19.76	20.35
Solar Module Efficiency (%)	15.06	16.06	17.07	18.15
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	36(4*9)
Dimensions	1480mm*670mm*35mm
Weight	12.00kg
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'	490 pcs
1*40'HQ	1260 pcs



## IV-Curves

