



PHOTOVOLTAIC MODULE 60CELLS

NE270-30M / NE280-30M

NE290-30M / NE295-30M / NE300-30M

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)

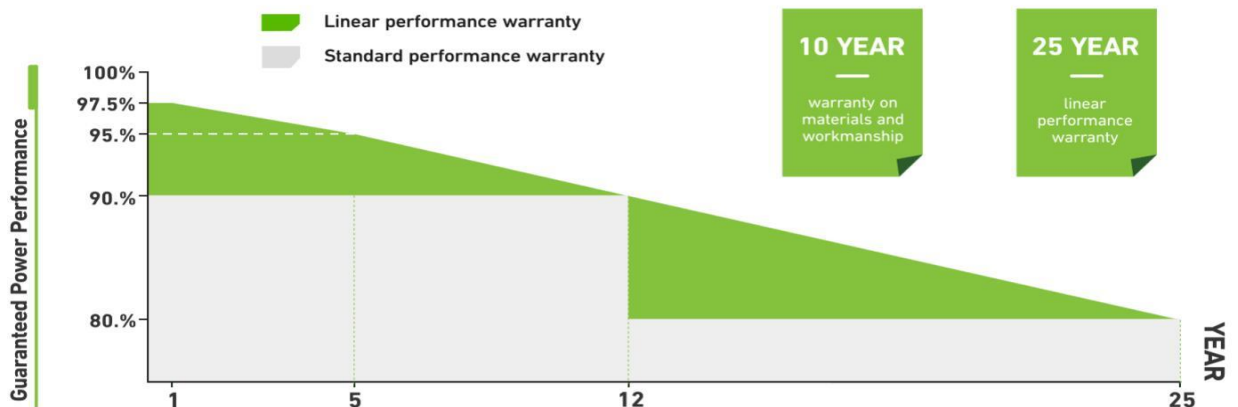


Low-Light Performance

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



MODULE FEATURES AND WARRANTY

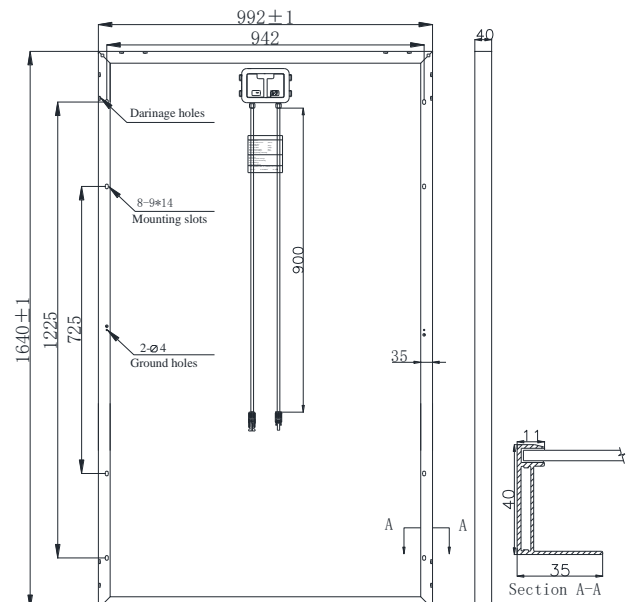
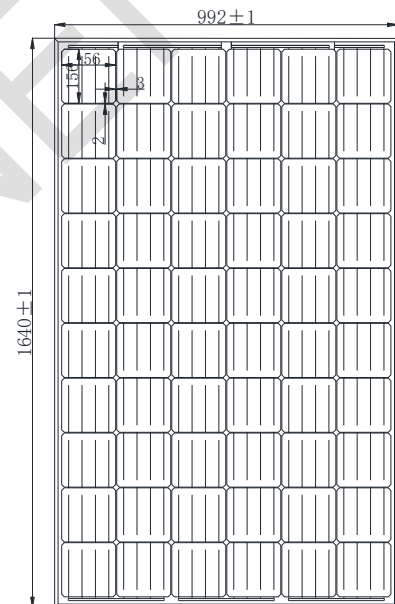


Electrical Characteristics

Model	NE270W-30M	NE280-30M	NE290-30M	NE295-30M	NE300-30M
Maximum Power at STC(Pmax)	270W	280W	290W	295W	300W
Optimum Operating Voltage (Vmp)	31.13V	31.50V	31.90V	32.00V	32.2V
Optimum Operating Current (Imp)	8.69A	8.89A	9.10A	9.22A	9.32A
Open-Circuit Voltage (Voc)	37.90V	38.30V	38.60V	38.70V	38.80V
Short-Circuit Current (Isc)	9.19A	9.37A	9.51A	9.60A	9.71A
Solar Cell Efficiency (%)	18.48	18	20.23	20.40	20.80
Solar Module Efficiency (%)	16.70	17.40	18.00	18.30	18.60
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	60 (6×10)
Dimensions	1640mm*992mm*35mm
Weight	18kg
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	Cardbox Pallet
1*20'	440 pcs
1*40'HQ	952 pcs



IV-Curves

