

Mono 182

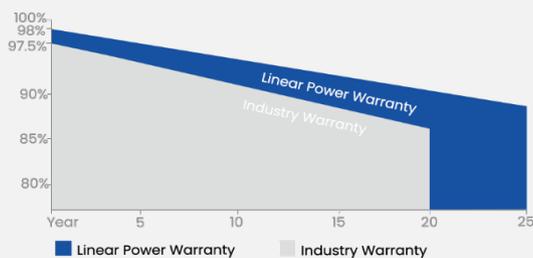
QN-182M54041-HN

Half Cut Cell Solar Module

Quality Guarantee

5-Year Warranty for Materials and Processing

25-Year Warranty for Extra Linear Power Output



Multiple Main Grid Design

Better light utilization and current collection capability, effectively improve product power output and reliability.

Anti PID Guarantee

The attenuation rate caused by PID phenomenon is minimized by battery production technology optimization and material control.

Adaptability To Harsh Environments

Third party certification through high salt spray and high ammonia corrosion test.

Capacity Of Load

The whole assembly passes 2400Pa wind load and 5400Pa snow load.

Comprehensive Certificates

IEC61215, IEC61701, IEC61730

ISO9001:2015 Quality management systems

ISO45001: Environmental management systems

ISO45001:2018 Occupational health and safety management systems



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Specifications

Solar Cell (Type/Sizes)	Mono(182mm)
Solar Cells Number	144Pcs(6*24)
Dimensions	2279*1134*35mm
Weight	28.5KG/Pcs
Structure	3.2 Glass+EVA Film+Back
Frame	Anodized aluminum alloy
Junction Box	IP68/3*Bypass Diode
Cable Cross Section Size	4.0mm ² /300mm
Mechanical Load	Front 5400Pa/Back 2400Pa
Packing Number	31Pcs/Pallet
Packing Volume	3.372Cbm/Pallet
40'HQ Container	620 Pcs

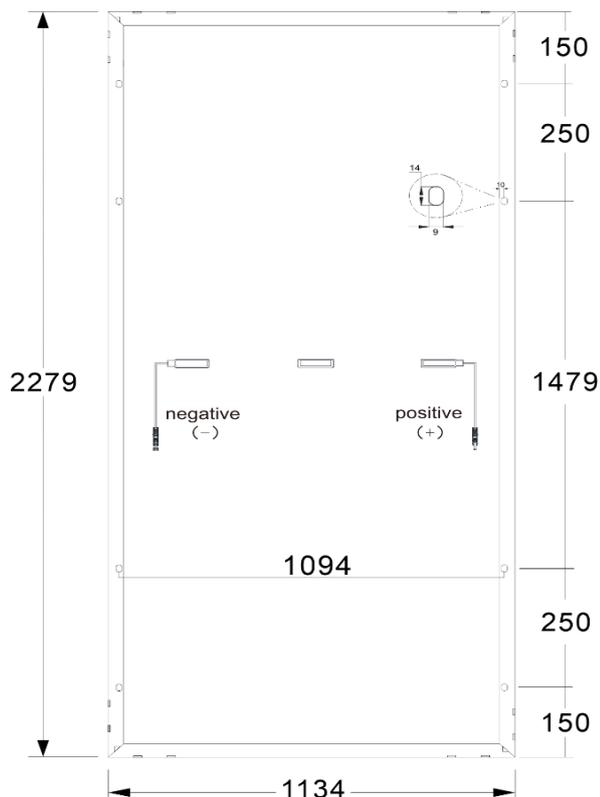
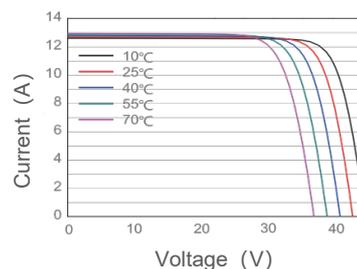
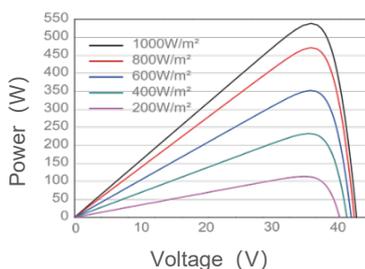
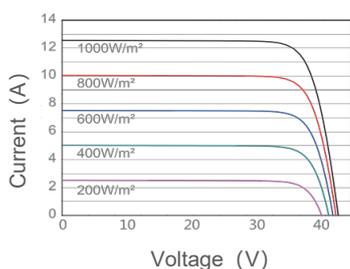
Electrical Parameters at STC

Module Type	QN525	QN530	QN535	QN540	QN545	QN550
Rate Maximum Power (Pmax)	525W	530W	535W	540W	545W	550W
Module Efficiency	20.30%	20.50%	20.70%	20.90%	21.10%	21.30%
Open Circuit Volatge (Voc)	48.95V	49.15V	49.35V	49.55V	49.75V	49.95V
Short Circuit Current (Isc)	13.67A	13.74A	13.82A	13.89A	13.97A	14.05A
Voltage at Pmax (Vmp)	41.10V	41.27V	41.45V	41.62V	41.80V	41.97V
Current at Pmax (Imp)	12.78A	12.85A	12.91A	12.98A	13.05A	13.11A
Power Tolerance	0~+5W					
Temperature Coefficient of Isc	+0.046%/°C					
Temperature Coefficient of Voc	-0.276%/°C					
Temperature Coefficient of Pmax	-0.350%/°C					
STC	Irradiance 1000W/m ² Cell Temperature 25°C AM1.5					

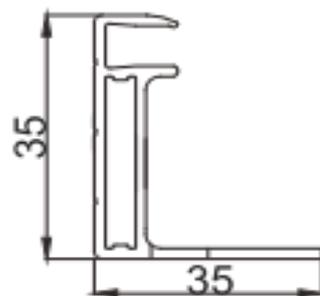
Operating Conditions

Operating Temperature	-40~+85°C
Maximum System Voltage	1500VDC
NOCT	45±2°C
Fireproof Performance	Glass C
Maximum Series Fuse	25A
Temperature Coefficient of Voc	-0.276%/K
Temperature Coefficient of Isc	+0.046%/K

Characteristics



Mechanical Diagrams



Units: mm/±2