

Mono 182

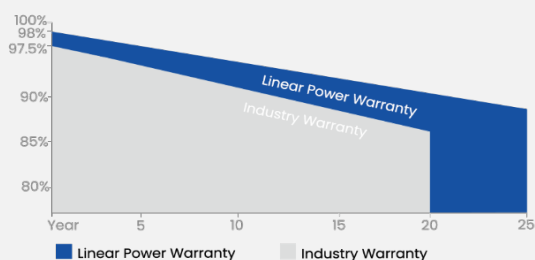
QN-182M36027-HF

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/Sizs)	Mono(182mm)
Solar Cells Number	96Pcs(6*8*2)
Dimensions	1540*1134*35mm
Weight	KG/Pcs
Structure	3.2 Glass+EVA Film+Back
Frame	Anodized aluminum alloy
Junction Box	IP68/3*Bypass Diode
Cable Cross Section Size	4.0mm²/300mm
Mechanical Load	Front 5400Pa/Back 2400Pa
packaging	2Pcs/Pallet
Carton Size	1555*1149*85mm
40'HQ Container	900 Pcs

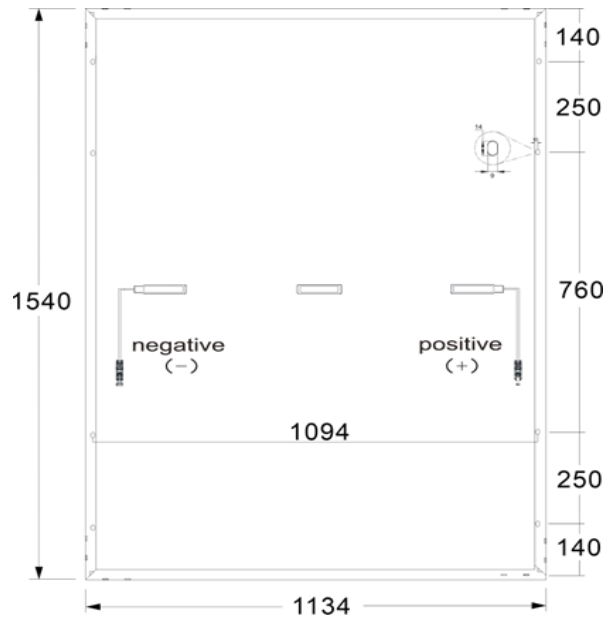
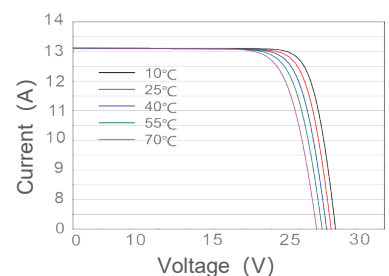
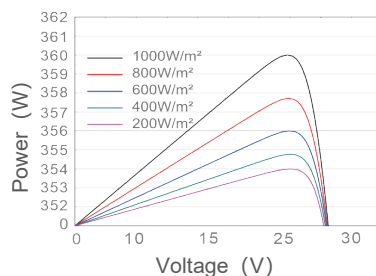
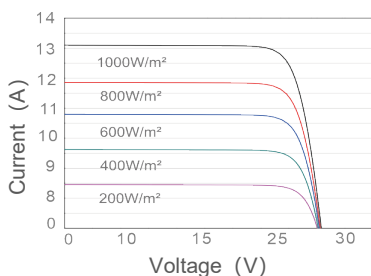
Electrical Parameters at STC

Module Type	QN345	QN350	QN355	QN360	QN365
Rate Maximum Power (Pmax)	345W	350W	355W	360W	365W
Module Efficiency	19.76%	20.04%	20.33%	20.61%	20.9%
Voltage at Pmax (Vmp)	27.11V	27.42V	27.58V	27.74V	27.9V
Current at Pmax (Imp)	12.72A	12.76A	12.87A	12.98A	13.08A
Open Circuit Volatge (Voc)	32.52V	32.76V	32.88V	33V	33.12V
Short Circuit Current (Isc)	13.63A	13.66A	13.78A	13.89A	14.01A
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/m² Cell Temperature 25°C AM1.5				

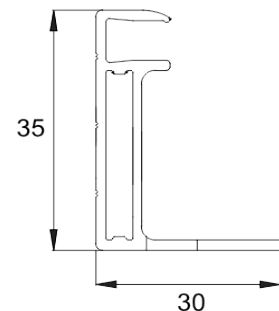
Operating Conditions

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

