

Mono 182

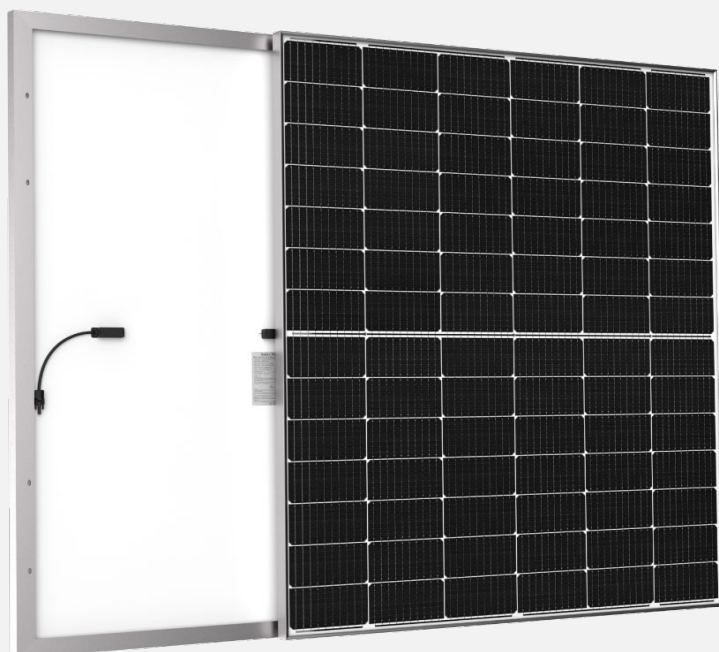
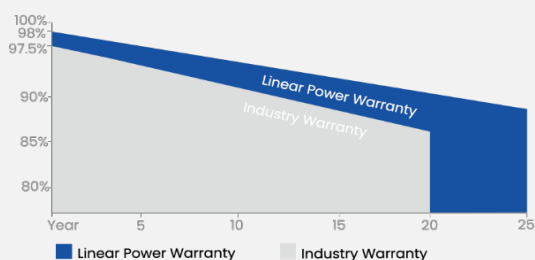
QN-182M30024-HF

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



QN-182M30024-HF

Specifications

Solar Cell (Type/Sizs)	Mono(182mm)
Solar Cells Number	84Pcs(6*7*2)
Dimensions	1350*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	1365*1149*85mm
40'HQ Container	1050Pcs

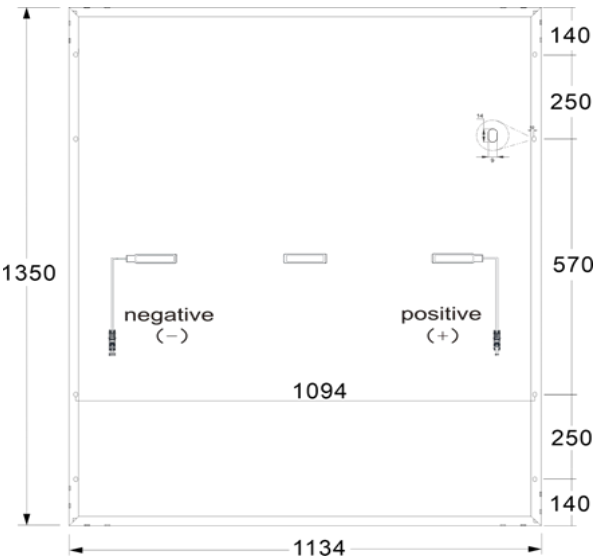
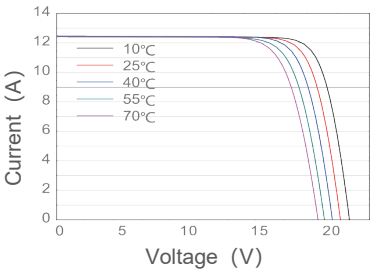
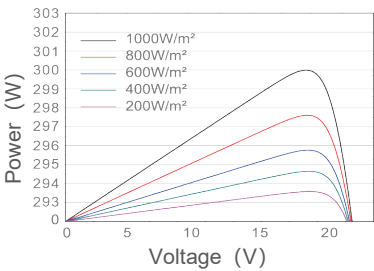
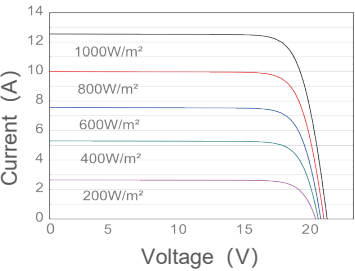
Electrical Parameters at STC

Module Type	QN285	QN290	QN295	QN300	QN305
Rate Maximum Power (Pmax)	285W	290W	295W	300W	305W
Module Efficiency	18.61%	18.94%	19.26%	19.60%	20.00%
Voltage at Pmax (Vmp)	22.59V	22.73V	22.85V	23.22V	23.32V
Current at Pmax (Imp)	12.61A	12.76A	12.91A	12.98A	13.08A
Open Circuit Volatge (Voc)	27.1V	27.2V	27.3V	27.5V	27.75V
Short Circuit Current (Isc)	13.51A	13.66A	13.81A	13.89A	14.02A
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				

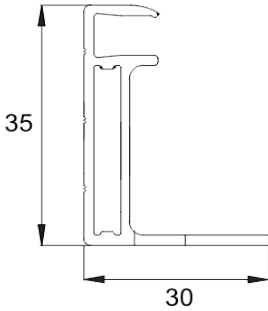
Operating Conditions

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

