

Mono 182

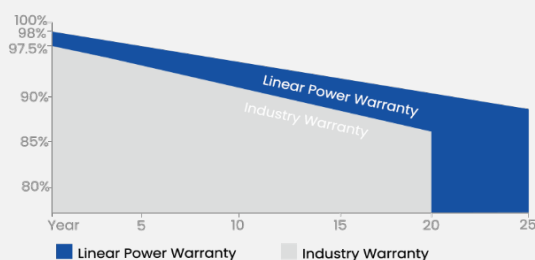
QN-182M41031-HN

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/Sizs)	Mono(182mm)
Solar Cells Number	108Pcs(6*9*2)
Dimensions	1725*1134*30mm
Weight	21.5KG/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
Packing Number	36Pcs/Pallet
Carton Size	1765*1120*1275mm
40'HQ Container	936 Pcs

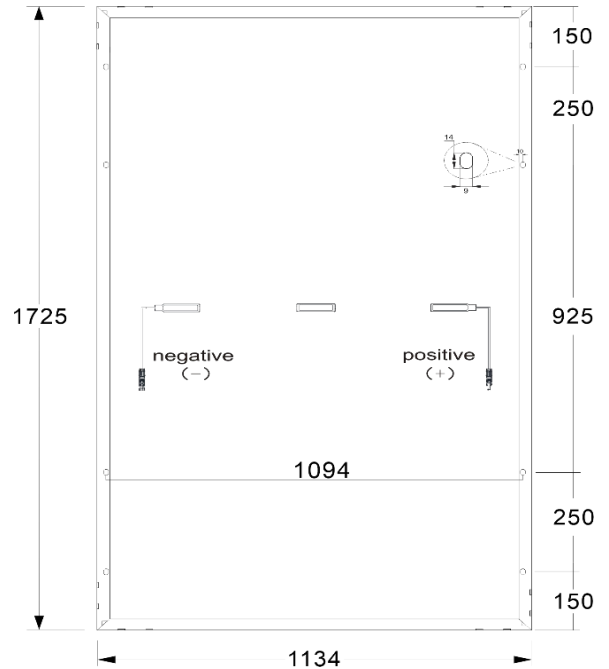
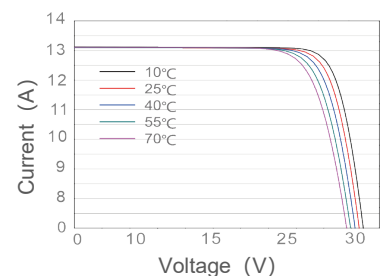
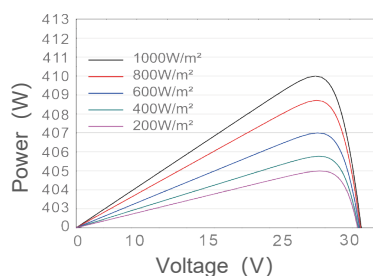
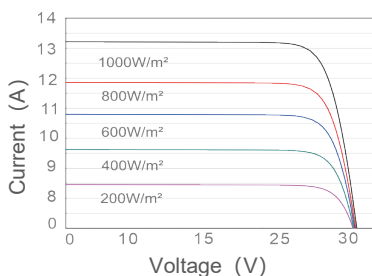
Electrical Parameters at STC

Module Type	QN400	QN405	QN410	QN415	QN420
Rate Maximum Power (Pmax)	400W	405W	410W	415W	420W
Module Efficiency	20.48%	20.74%	21.00%	21.25%	21.50%
Voltage at Pmax (Vmp)	30.65V	30.80V	30.95V	31.10V	31.25V
Current at Pmax (Imp)	13.06A	13.15A	13.25A	13.35A	13.45A
Open Circuit Volatge (Voc)	36.96V	37.10V	37.23V	37.36V	37.45V
Short Circuit Current (Isc)	13.82A	13.91A	14.00A	14.09A	14.18A
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				

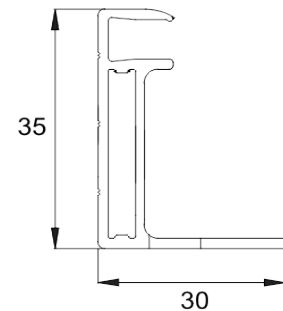
Operating Conditions

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

