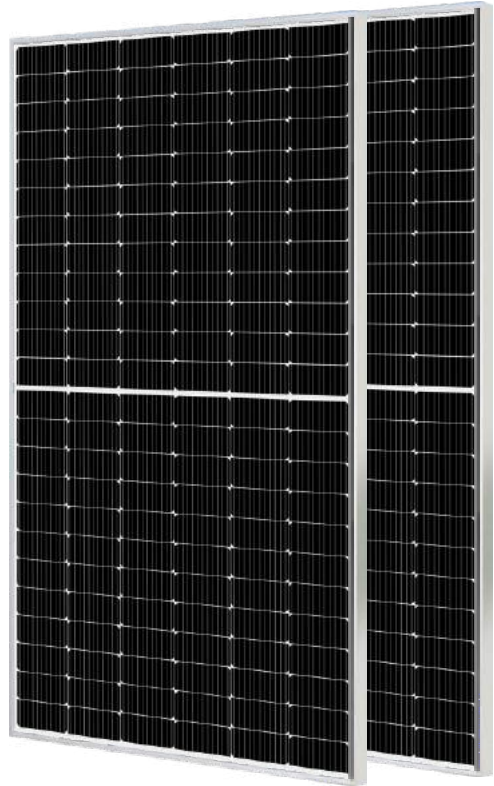


# Module Picture



## QN-182M54041

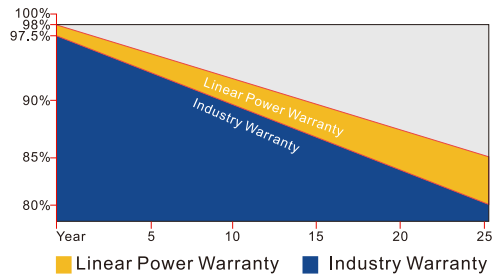
Mono Half-cut Single/ Module 525-550/MB

### LCOE save 6-8%

- ↓6% Saving logistics cost
- ↓7% Saving cable cost
- ↓8% Saving bracket cost
- ↓9% Saving labor cost

### First-class Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty

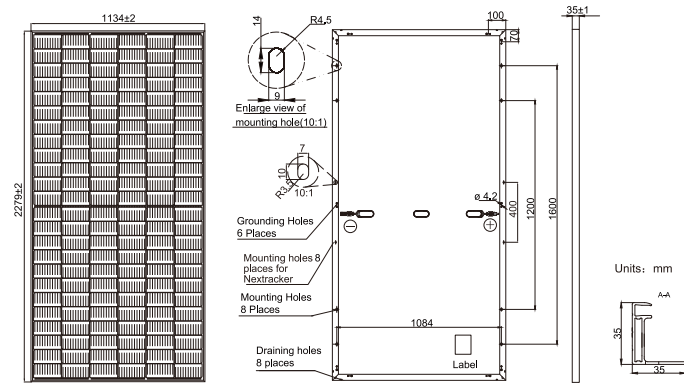


### Comprehensive Certificates

- IEC61215/IEC61701/IEC61730
- ISO 9001:2015 Quality Management System
- ISO 45001:2018 Occupational health and safety management system
- ISO 14001:2015 Environmental Management System



# Mechanical Diagrams



PS: Frame color and cable length can be customized

# Specifications

Solar Cell(Type/Size)	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	4.0mm²,(+)300mm/(-)400mm
Mechanical Load	Front 5400Pa/Back 2400Pa
Packing Number	31Pcs/Pallet
Packing Volume	3.372Cbm/Pallet
40'HQ Container	620Pcs

### Electrical Parameters at STC

Module Type	QN525M	QN530M	QN535M	QN540M	QN545M	QN550M
Rate Maximum Power( Pmax/W)	525	530	535	540	545	550
Module Efficiency(%)	20.30	20.50	20.70	20.90	21.10	21.30
Open Circuit Volatge(Voc/V)	48.95	49.15	49.35	49.55	49.75	49.95
Short Circuit Current(Isc/A)	13.67	13.74	13.82	13.89	13.97	14.05
Voltage at Pmax(Vmp/V)	41.10	41.27	41.45	41.62	41.80	41.97
Current at Pmax(Imp/A)	12.78	12.85	12.91	12.98	13.05	13.11
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					

Remark: Electrical data in this catalogue does not refer to a single module, and it's not part of the offer. It only serves for the comparison among different module types.

### Electrical Parameters at NOCT

Module Type	QN525M	QN530M	QN535M	QN540M	QN545M	QN550M
Rate Maximum Power( Pmax/W)	396	400	404	407	411	414
Open Circuit Voltage(Voc.V)	46.00	46.13	46.26	46.38	46.50	46.63
Short Circuit Current(Isc/A)	10.95	10.99	11.03	11.08	11.12	11.17
Voltage at Pmax(Vmp/V)	38.35	38.55	38.76	38.95	39.16	39.31
Current at Pmax(Imp/A)	10.33	10.38	10.43	10.46	10.50	10.53

NOCT: Irradiance 800W/m² Ambient Temperature 20°C Wind at 1m/S 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

