



Half Cut Solar Module

240~550W - 182 MBB MONO SERIES



Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electronic performance, and improve the power generation capacity of whole system.



Cutting solar cell technology, which significantly reduces string current and module damage, it is a good choice for projects in high temperature areas.

Half Cut

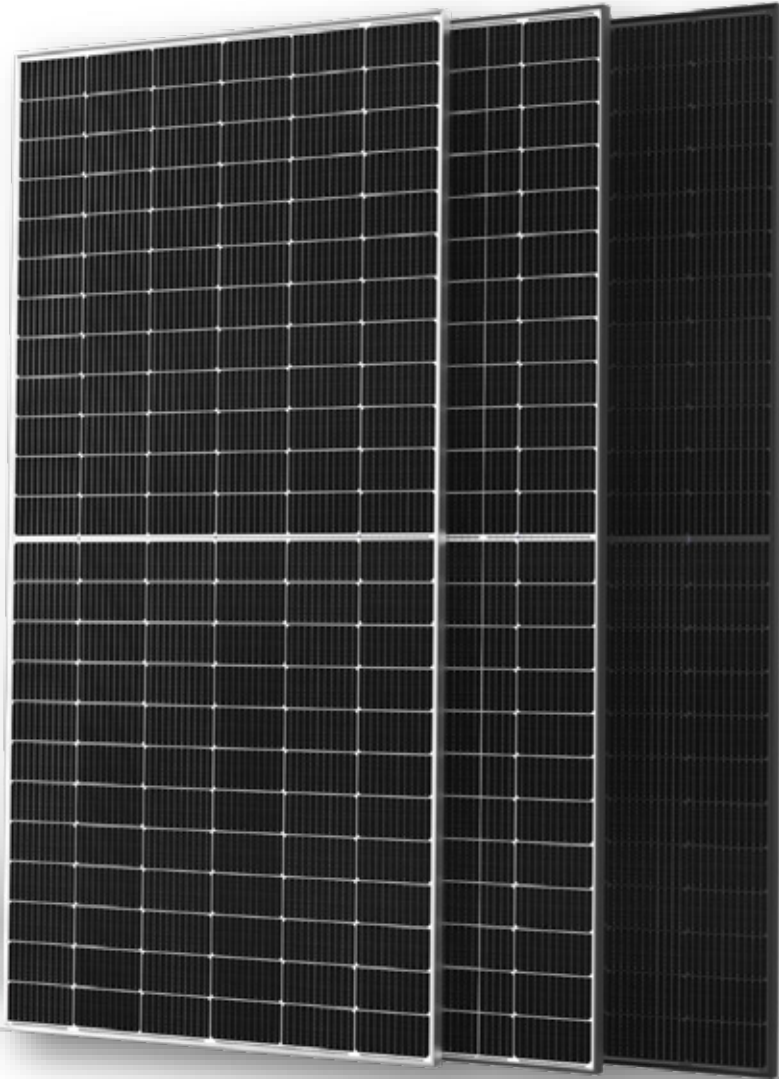
Craftsmanship

182MBB

Solar Cell

240-550W

Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-182M24018-HF	240W	18.49V	12.98A	22V	13.89A	1530*760*35mm
QN-182M30024-HF	300W	23.22V	12.98A	27.5V	13.89A	1350*1134*35mm
QN-182M36027-HF	360W	27.74V	12.98A	33V	13.89A	1540*1134*35mm
QN-182M41031-HN	410W	30.95V	13.25A	37.23V	14.00A	1720*1134*35mm
QN-182M45035-HN	450W	34.67V	12.98A	41.25V	13.89A	1909*1134*35mm
QN-182M54041-HN	550W	41.97V	13.11A	49.95V	14.05A	2279*1134*35mm

*Specifications are for reference only and can be customized as required





210 Mono Solar Module

80~450W - 210 MBB MONO SERIES



Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electronic performance, and improve the power generation capacity of whole system.



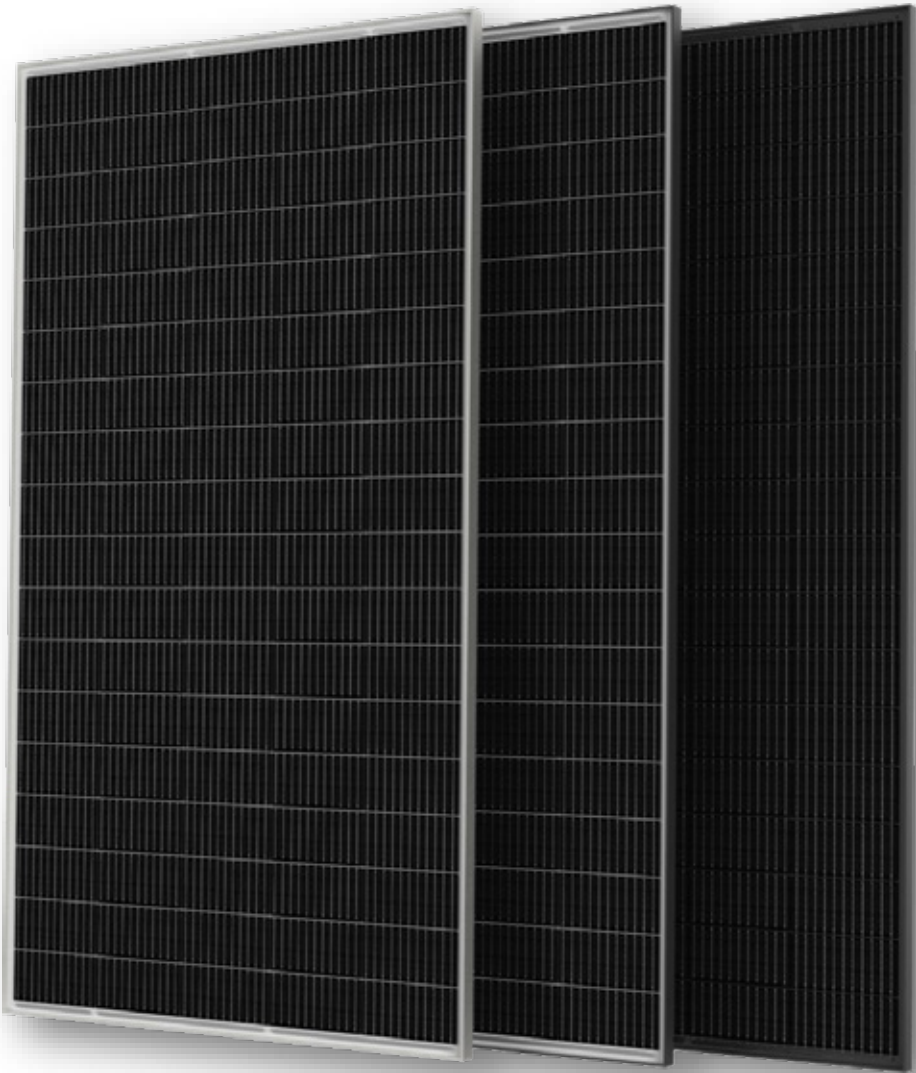
Cutting solar cell technology, which significantly reduces string current and module damage,it is good choice for projects in high temperature areas.

210MBB

Solar Cell

80-450W

Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-210M08018	80W	18.00V	4.44A	21.88V	4.70A	920*460*30mm
QN-210M10020	100W	20.16V	4.96A	24.62V	5.25A	1030*460*30mm
QN-210M12020	120W	20.16V	5.95A	24.62V	6.30A	920*680*30mm
QN-210M18020	180W	20.16V	8.92A	24.62V	9.45A	1330*680*30mm
QN-210M20022	200W	21.84V	9.15A	26.67V	9.70A	1480*680*35mm
QN-210M24026	240W	26.80V	8.95A	32.8V	9.48A	1350*880*35mm
QN-210M28031	280W	31.70V	8.83A	38.30V	9.35A	1560*880*35mm
QN-210M32035	320W	35.84V	8.92A	43.77V	9.45A	1770*880*35mm
QN-210M36040	360W	40.75V	8.83A	49.24V	9.35A	1980*880*35mm
QN-210M40044	400W	44.80V	8.92A	54.72V	9.45A	1770*1100*35mm
QN-210M45050	450W	50.40V	8.92A	61.56V	9.45A	1980*1100*35mm

*Specifications are for reference only and can be customized as required





182 Mono Solar Module

10~450W - 182 MBB MONO SERIES



Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electronic performance, and improve the power generation capacity of whole system.



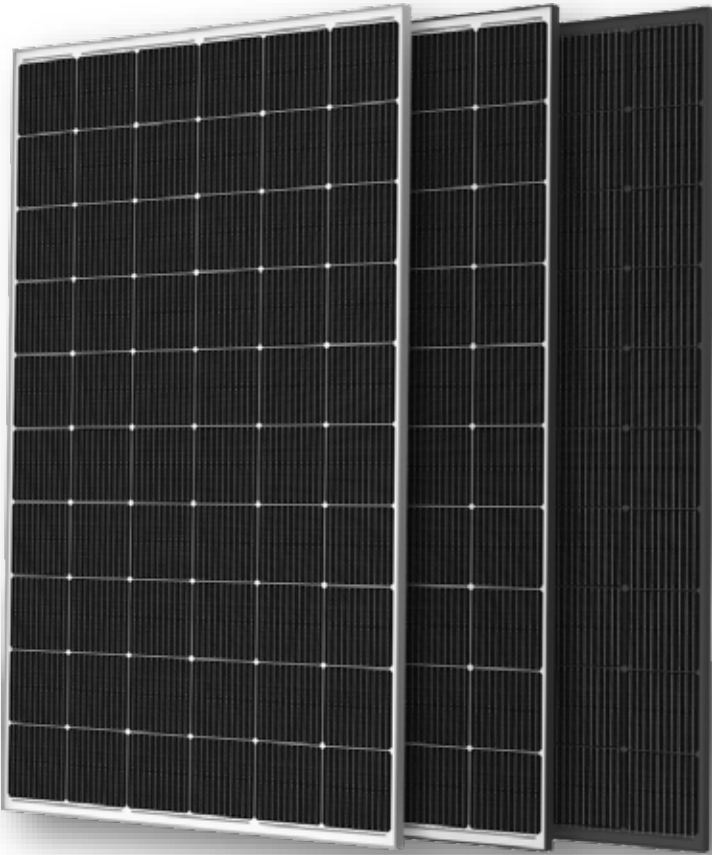
Cutting solar cell technology, which significantly reduces string current and module damage,it is good choice for projects in high temperature areas.

182MBB

Solar Cell

10-450W

Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-182M01006	10W	6.48V	1.46A	8.21V	1.55A	325*215*17mm
QN-182M01018	10W	18.24V	0.55A	21.80V	0.58A	300*280*17mm
QN-182M01518	15W	18.24V	0.82A	21.80V	0.87A	405*240*17mm
QN-182M02018	20W	18.24V	1.10A	21.80V	1.16A	400*300*17mm
QN-182M02518	25W	18.24V	1.37A	21.80V	1.45A	400*345*17mm
QN-182M03018	30W	18.24V	1.64A	21.80V	1.74A	420*405*25mm
QN-182M04018	40W	18.24V	2.19A	21.80V	2.39A	570*400*25mm
QN-182M05018	50W	18.24V	2.74A	21.80V	2.97A	670*400*25mm
QN-182M06018	60W	18.24V	3.29A	21.80V	3.49A	430*760*25mm
QN-182M08018	80W	18.24V	4.39A	21.80V	4.65A	550*760*25mm
QN-182M10018	100W	18.24V	5.48A	21.80V	5.81A	680*760*25mm
QN-182M12018	120W	18.24V	6.58A	21.80V	6.97A	800*760*30mm
QN-182M16018	160W	18.24V	8.77A	21.80V	9.30A	1040*760*30mm
QN-182M20018	200W	18.24V	10.96A	21.80V	11.62A	1290*760*30mm
QN-182M24018	240W	18.24V	13.16A	21.80V	13.95A	1530*760*35mm
QN-182M30034	300W	34.2V	8.77A	41.04V	9.30A	1290*1134*35mm
QN-182M36034	360W	34.2V	10.53A	41.04V	11.16A	1540*1134*35mm
QN-182M40030	400W	30.78V	13.00A	37.02V	13.78A	1720*1134*35mm
QN-182M45034	450W	34.2V	13.16A	41.04V	13.95A	1909*1134*35mm

*Specifications are for reference only and can be customized as required





158 Mono Solar Module

10~380W – 158 MONO SERIES



Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



High transparent self-clean tempered glass to increase the light adoption and effectively reduce the power loss which is caused by dust.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Reinforced frame with more remarkable loading capacity.

158 Mono
Solar Cell

10-380W
Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-156M01018	10W	18V	0.57A	21.5V	0.62A	340*260*17mm
QN-158M02018	20W	18V	1.14A	21.5V	1.24A	360*360*17mm
QN-158M03018	30W	18V	1.71A	21.5V	1.86A	540*360*25mm
QN-158M04018	40W	18V	2.29A	21.5V	2.48A	640*360*25mm
QN-158M05018	50W	18V	2.86A	21.5V	3.1A	670*435*25mm
QN-158M06018	60W	18V	3.43A	21.5V	3.72A	670*530*25mm
QN-158M08018	80W	18V	4.57A	21.5V	3.72A	680*650*25mm
QN-158M10018	100W	18V	5.71A	21.50V	3.72A	680*770*30mm
QN-158M12018	120W	18V	6.86A	21.5V	7.44A	1030*680*30mm
QN-158M18018	180W	18V	10.29A	21.5V	11.16A	1480*680*35mm
QN-158M33030	330W	30V	11.31A	35.83V	12.28A	1640*992*35mm
QN-158M38036	380W	36V	10.86A	43V	11.78A	1979*992*35mm

*Specifications are for reference only and can be customized as required





158 Poly Solar Module

10~330W – 158 Poly SERIES



Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



High transparent self-clean tempered glass to increase the light adoption and effectively reduce the power loss which is caused by dust.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Reinforced frame with more remarkable loading capacity.

158 Poly
Solar Cell

10-330W
Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-158P01018	10W	18V	0.57A	21.5V	0.62A	340*260*17mm
QN-158P02018	20W	18V	1.14A	21.5V	1.24A	435*350*25mm
QN-158P03018	30W	18V	1.71A	21.5V	1.86A	650*350*25mm
QN-158P05018	50W	18V	2.86A	21.5V	3.1A	670*540*25mm
QN-158P06018	60W	18V	3.43A	21.5V	3.72A	670*640*25mm
QN-158P08018	80W	18V	4.57A	21.5V	4.96A	790*670*25mm
QN-158P10018	100W	18V	5.49A	21.5V	5.82A	1030*670*25mm
QN-158P15018	150W	18V	8.57A	21.50V	9.3A	1480*670*35mm
QN-158P20036	200W	36V	5.71A	43V	6.2A	1340*992*35mm
QN-158P27030	270W	30V	9.26A	35.83V	10.05A	1650*992*35mm
QN-158P33036	330W	36V	9.43A	43V	10.23A	1979*992*35mm

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Glass Folding Solar Module

120~240W - 182 MBB MONO PWM SERIES

PRODUCTFEATURES:

Monocrystalline Solar Cell

A-grade monocrystalline solar cells feature the fastest charging speed possible with an energy conversion efficiency of 21%.

Smart PWM Solar Charge Controller

Advanced Smart PWM Technology Charge Controller with Multiple Protections, Ensure charging Efficiency and Safety. Featuring bright back LCD displaying system information including error codes, world-class quality

Ultimate Protection

This solar panel features anodized aluminum frames, reinforced corner protectors and diode bypass technology which protects the shaded cell from overheating, and a 1-year warranty allows worry-free camping or RVing.

Multiple Functionality

Compatible with AGM, lead acid, Gel, Calcium & LiFePO4 batteries, this folding solar panel features 5V 1.5A USB port to charge portable devices directly, including smartphones, tablets, digital cameras, etc.

PWM

Controller

182MBB

Cell size

120-240W

Power Range



Model	QN-FD12018	QN-FD14518	QN-FD24018
Power	120w (60w*2)	145w (72.5w*2)	240w (80w*3)
Controller	12/24V 10A PWM	12/24V 10A PWM	12/24V 20A PWM
Vmp	18.2V	18.2V	18.2V
Imp	6.6A	7.97A	13.2A
Voc	21.8V	21.8V	21.8V
Isc	7.33A	8.87A	14.68A
Folding size	760*430*60mm	760*550*60mm	760*550*110mm
Deployment size	860*760*30mm	1100*760*30mm	1660*760*30mm

*Specifications are for reference only and can be customized as required





ETFE Folding Solar Module

50~200W - 166 MBB MONO ETFE SERIES

PRODUCTFEATURES:

Ease of use

Portable folding solar panels are typically made from lightweight materials, can be folded or rolled up, and are easy to carry and store, making them ideal for outdoor activities such as camping and traveling.

Portability

Portable folding solar panels usually come with modern charging controllers and connectors,making them easy and convenient to use for charging various electronic devices.

High Conversion efficiency

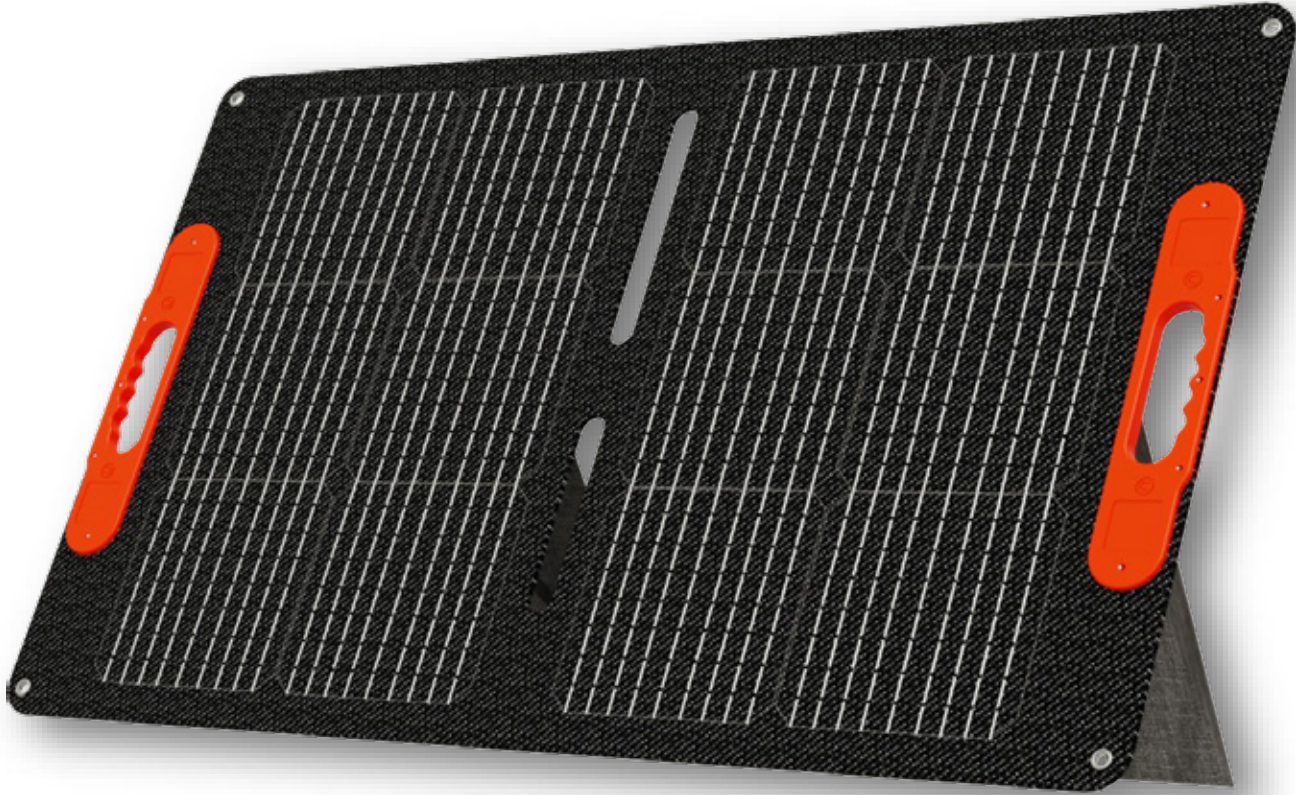
Portable folding solar panels typically use high-efficiency solar cells that can convert sunlight into electricity, providing a reliable power source.

ETFE

Surface Material

50-200w

Power Range



Model	QN-ET05018	QN-ET10018	QN-ET15018	QN-ET20018
Power	50w(25w*2)	100w(50w*2)	150w(50w*3)	200w(50w*4)
Vmp	18V	18V	18V	18V
Imp	2.77A	5.56A	8.33A	11.11A
Voc	21.6V	21.6V	21.6V	21.6V
Isc	2.96A	6.01A	9.02A	11.88A
Folding size	430*438*35mm	605*555*35mm	542*620*45mm	543*620*55mm
Deployment size	860*438*25mm	1210*555*25mm	1625*620*25mm	2170*620*25mm

*Specifications are for reference only and can be customized as required





Flexible Solar Modules

12~450W - 182 MBB MONO SERIES



2.5mm thickness, match various requirements for low-load projects



Architectural integration, better integration of matching objects, giving full play to the maximum advantages of the product.



The product can be customized to meet the requirements of different application scenarios



Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.3m, fit all kinds of curved surface perfectly



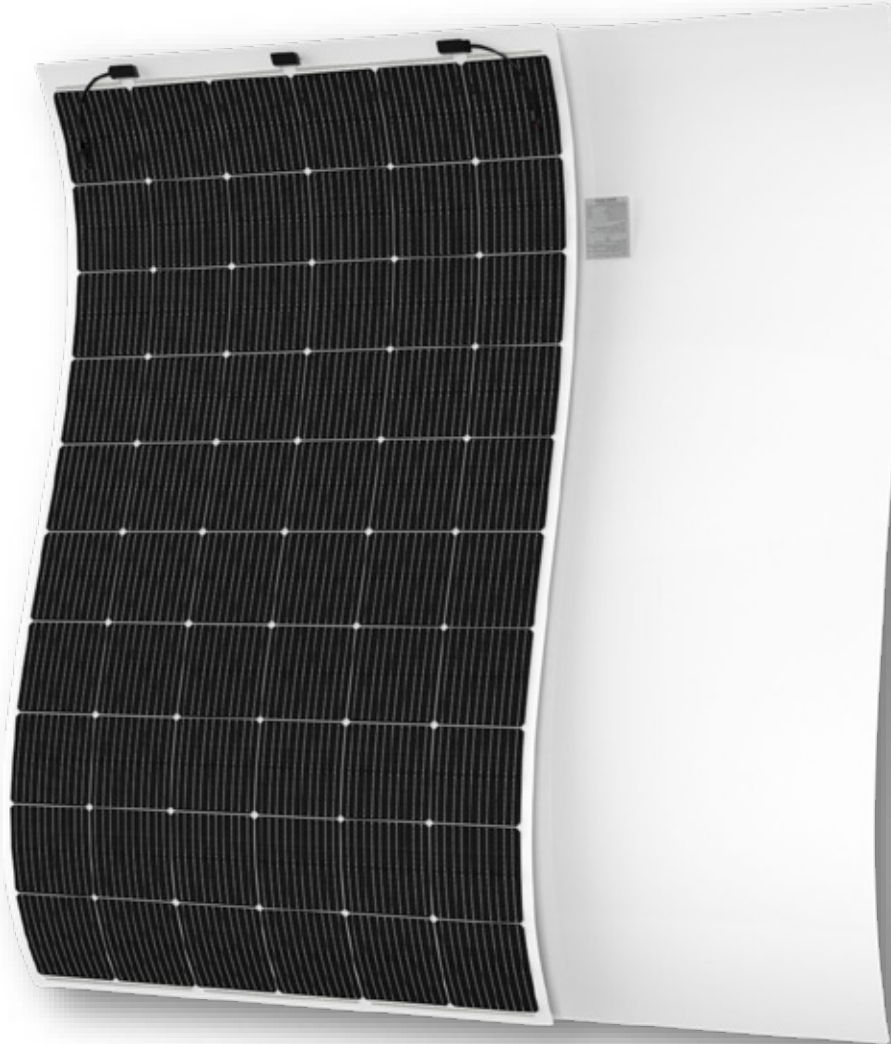
Convenient and fast installation and transportation, saving a lot of installation and transportation costs

182 MBB

Solar Cell

120-450W

Power Range



Model	Power	Vmp	Imp	Voc	Isc	Dimension
QN-182032M120	120W	18.24V	6.58A	21.89	6.97	845*805*2.5mm
QN-182032M240	240W	18.24V	13.16A	21.89V	13.95A	1575*805*2.5mm
QN-182060M360	360W	34.2V	10.53A	41.04V	11.16A	1585*1180*2.5mm
QN-166192M380	380W	36.48V	10.42A	43.78V	11.04A	1870*1040*2.5mm
QN-182060M450	450W	34.2V	13.16A	41.04V	13.95A	1955*1180*2.5mm

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RV Retrofit Solar Modules

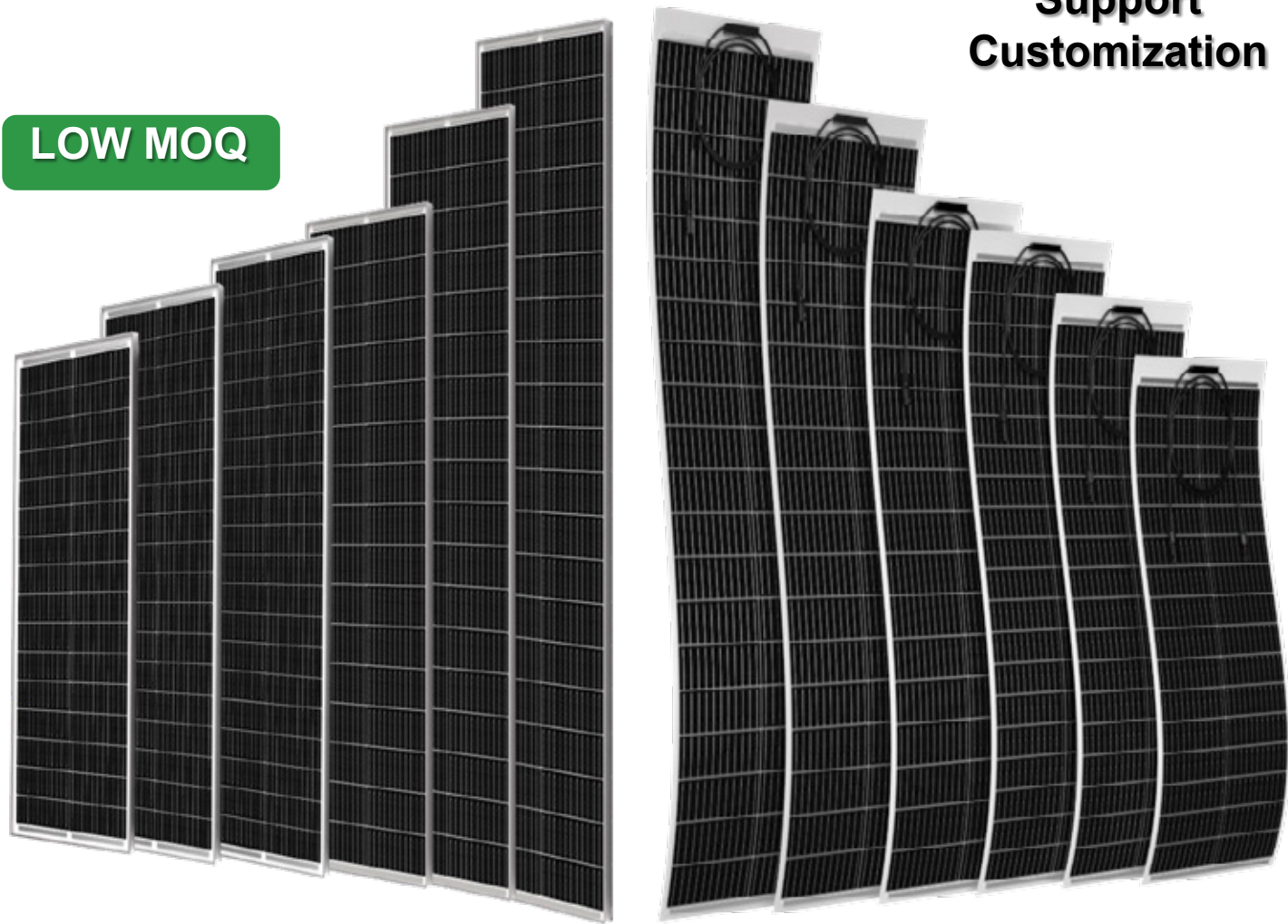
Different power sizes can be customized according to the needs

Installation Case Display;



LOW MOQ

Support Customization



Power	Vmp	Imp	Voc	Isc	Dimension (Glass)	Dimension (Flexible)
70W	18.24V	3.84A	21.89V	4.07A	910*450*30mm	945*450*2.5mm
80W	20.52V	3.90A	24.62V	4.13A	1020*450*30mm	1055*450*2.5mm
90W	22.80V	3.95A	27.36V	4.18A	1130*450*30mm	1165*450*2.5mm
100W	18.24V	5.48A	21.89V	5.81A	1190*450*30mm	1225*450*2.5mm
110W	20.52V	5.36A	24.62V	5.68A	1335*450*30mm	1370*450*2.5mm
120W	22.80V	5.26A	27.36V	5.58A	1480*450*30mm	1515*450*2.5mm
150W	18.81V	7.97A	22.57V	8.45A	1215*670*30mm	1250*670*2.5mm
160W	20.52V	7.80A	24.62V	8.27A	1320*670*30mm	1360*670*2.5mm
180W	22.23V	7.20A	26.68V	7.63A	1430*670*30mm	1465*670*2.5mm

*Specifications are for reference only and can be customized as required





Micro Inverter On Grid System

600w~5000w Solutions



Solar Microinverter Window System

-  **Ultra-thin and lightweight design**
2.5mm thickness to meet the requirements of low load projects.
-  **customizable**
The product can be customized to meet the requirements of different application scenarios.
-  **superflexibility**
The ultra-thin silicon wafer adopts advanced organic polymer packaging materials, the minimum bending radius reaches 0.3m, and perfectly fits various curved surfaces.
-  **Easy to install**
Convenient installation and transportation, saving a lot of installation and transportation costs

-  **Smart App**
Free smart WIFI monitor, can be installed within 30S
-  **Individual MPPT**
2 individual MPPT trackers, max efficiency up to 99%
-  **IP67**
IP67 protection, optimizes the performance, 10 years warranty
-  **Safety**
Low starting voltage (up to 60Vdc PV input), relay integrated for better protection
-  **DIY**
Easy installation, intelligent operation, user friendly



* WE CAN PROVIDE ALL KINDS OF SOLAR SOLUTIONS ACCORDING TO YOUR DEMANDS

System Power	Inverter Model	Module Power	Average daily power generation (4H)
600w	QN-SKY600M1-EU-230(*1)	820w(410w*2)	2400Wh
800w	QN-SKY800M1-EU-230(*1)	900w(450w*2)	3200Wh
1000w	QN-SKY1000M1-EU-230(*1)	1100w(550w*2)	4000Wh
1200w	QN-SKY600M1-EU-230(*2)	1460w(410w*4)	4800Wh
1600w	QN-SKY800M1-EU-230(*2)	1800w(450w*4)	6400Wh
2000w	QN-SKY1000M1-EU-230(*2)	2200w(550w*4)	8000Wh
3000w	QN-SKY1000M1-EU-230(*3)	3300w(550w*6)	12000Wh
4000w	QN-SKY1000M1-EU-230(*4)	4400w(550w*8)	16000Wh
5000w	QN-SKY1000M1-EU-230(*5)	5500w(550w*10)	20000Wh



Micro Inverter Energy Storage System

600w~1000w(1.6KWh/3.2KWh) Solutions



Flexibility
PV input 25~60Vdc, fits for different types of solar panels.



Wide Temp. Range
Workable in harsh environment (-10 ~+50).
Auto heating system in low temp. (0)



Adaptability
Compatible with different brand of existing micro inverters.



Long Life-cycle
10+ years life design, 6000 Cycles .



Smart App
Smart WIFI monitor, install within 30S user friendly.



DIY
Easy installation, timing function supports user in setting to the charge/discharge time.

NEW



* WE CAN PROVIDE ALL KINDS OF SOLAR SOLUTIONS ACCORDING TO YOUR DEMANDS

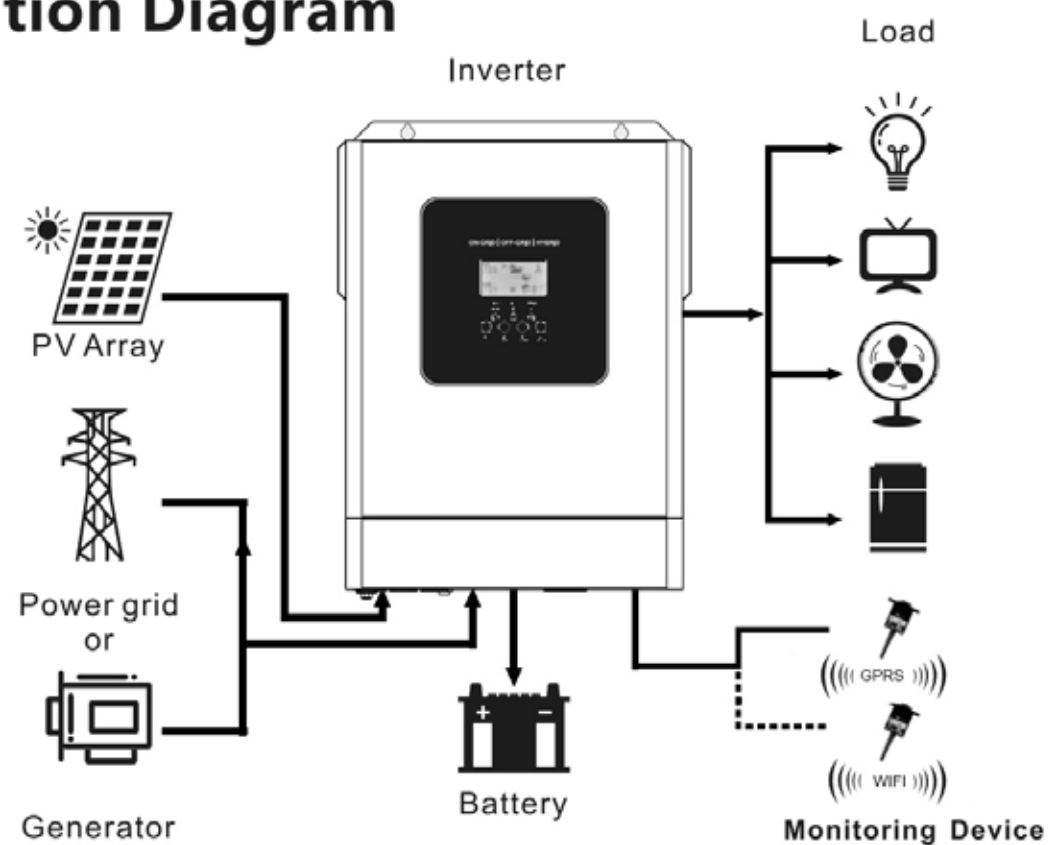
Model	600W-1.6KWh	800W-1.6KWh	1000W-3.2KWh
Inverter Model	QN-SKY600M1-EU-230	QN-SKY800M1-EU-230	QN-SKY1000M1-EU-230
Inverter Power	600W	800W	1000W
Module Power	820W	900W	1100W
Battery Capacity	1600Wh	1600Wh	3200Wh
Battery Voltage	32VDC	32VDC	32VDC
Battery Type	LiFePO4	LiFePO4	LiFePO4
Average daily power generation (4H)	2400Wh	3200Wh	4000Wh



Hybrid Inverter Off Grid System

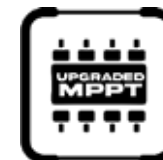
1.6KW~10.2KW Solutions

Application Diagram



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Provide Solution Design



* WE CAN PROVIDE ALL KINDS OF SOLAR SOLUTIONS ACCORDING TO YOUR DEMANDS

Inverter Power	Module Power	Battery Capacity	Battery voltage	MPPT	Average daily power generation (4H)	Runs without batteries
1.6KW	1.8KW	3.0KWh	12VDC	80A	6.48KWh	Not Support
3.0KW	3.2KW	6.0KWh	24VDC	80A	11.52KWh	Not Support
3.6KW	4.0KW	9.6KWh	24VDC	120A	14.4KWh	Support
5.0KW	5.4KW	19.2KWh	48VDC	100A	19.44KWh	Not Support
6.2KW	6.4KW	19.2KWh	48VDC	120A	23.04KWh	Support
8.2KW	8.1KW	24KWh	48VDC	160A	29.16KWh	Support
10.2KW	10.8KW	24KWh	48VDC	160A	38.88KWh	Support

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