



Qimei New Energy Technology Co., Ltd

About us

Qimei New Energy Technology Co., Ltd. is a company specializing in consumer, household, and industry applications

In the field of energy storage, it is a comprehensive high-tech company that integrates design, research and development, production, and brand operation.

GOKKCL - a leader in outdoor portable energy storage technology, positioned as "fashionable, exquisite, and energetic"

An international consumer brand with a brand proposition of "Endurance for Joy, dedicated to serving global outdoor enthusiasts"

Provide a safe, environmentally friendly, and fashionable way of life!

The company has a global elite team in the field of energy storage, with Dr. Ai Kaiming serving as the global leader in the field of energy storage

Technical talent, since graduating from Queen Mary College, University of London in 2019 and returning to China, has successively worked at Southern Technology

Led by universities and Harbin Institute of Technology, the technical team has broken through various technical topics, leading the way in energy storage technology in China

The world has made its due contribution.

GOKKCL has core energy storage technology advantages in industrial design, structure, electric heating conversion technology, and battery tubes

We have core competitiveness in key technologies such as energy management systems and are continuously striving to build a globally leading energy storage brand.



COMPANY SHOW



NEW

BC BATTERY PIECE

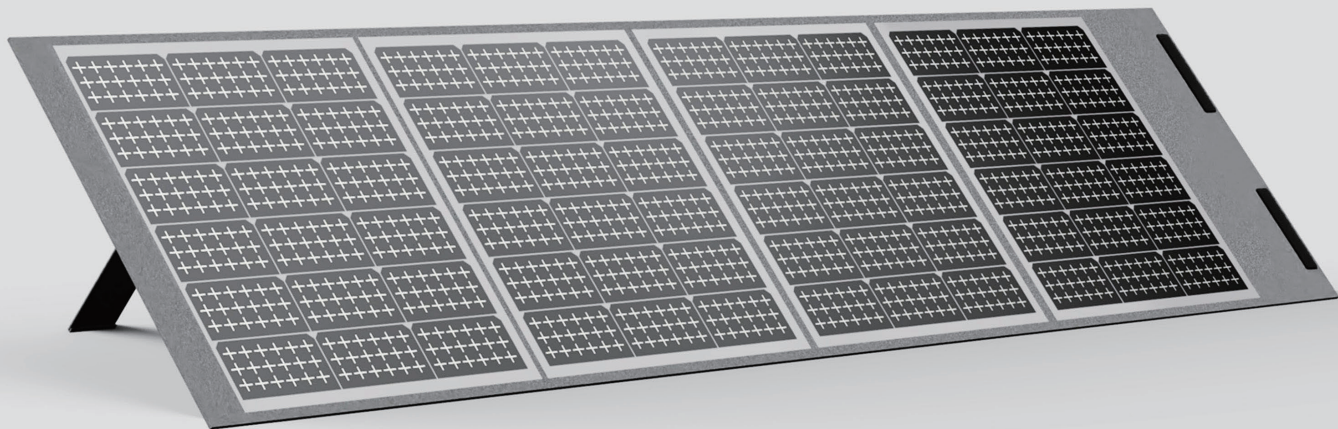
Solar folding board **3.5**

- The problem of power drop caused by occlusion is solved.
- MWT technology, which cancels the main grid line, has higher conversion rate and more beautiful appearance.
- Better weak light, effectively cope with rainy weather.
- Stable efficiency in high and low temperature environment.
- Industry's highest conversion rate of 27%.
- Minimum volume in the same area.

**Conversion
rate 27%**



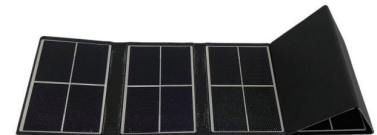
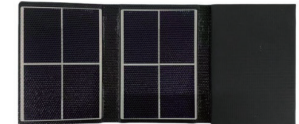
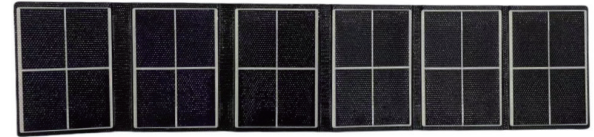
Portable solar folding bag



Solar foldable bag (7W , 14W) | Product parameters

7W three fold solar foldable bag/14W six fold solar foldable bag

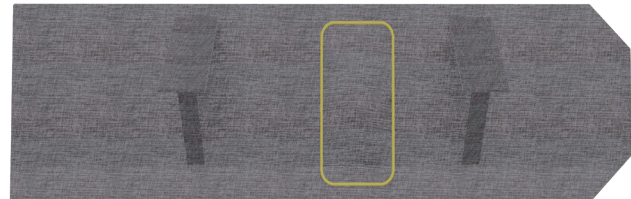
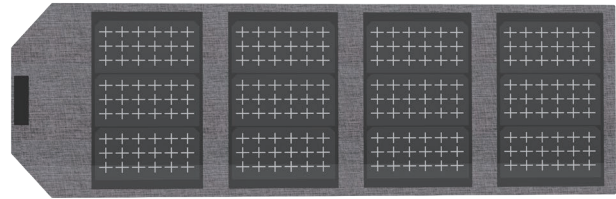
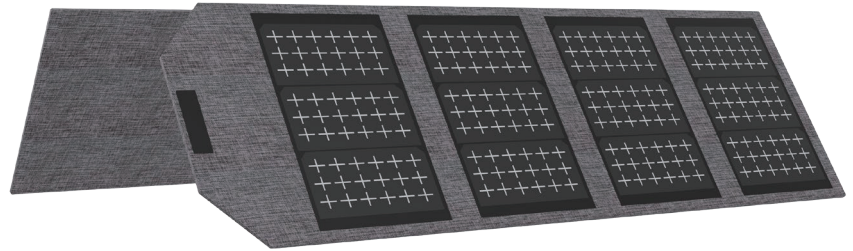
Item	Specification	Specification
Peak power (Pm):	7W	14W
Solar cells:	WMT	WMT
cell efficiency:	23%	23%
Open Circuit Voltage	8.25V	10.2V
Peak Point Voltage	6.27V	6.6V
Peak Point Current	1.15A	2.16A
Short-Circuit Current	1.22A	2.45A
Operating temperature range	-20℃-60℃	-20℃-60℃
Number of folds	3	6
Unfolding size of solar panels	308*150*9mm	620*142*9mm
Folding size of solar panels	150*103*16mm	142*120*23mm
N/W	0.15KG	0.27KG



Solar foldable bag (36W, 70W, 100W) | Product parameters

36W four fold solar foldable bag

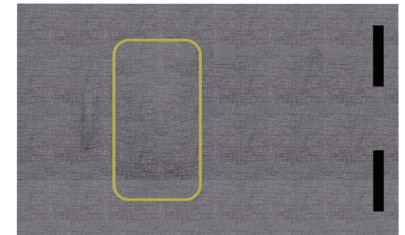
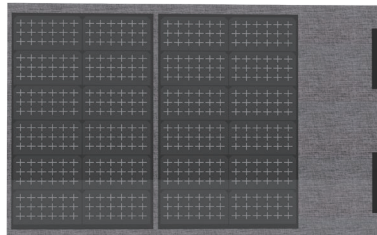
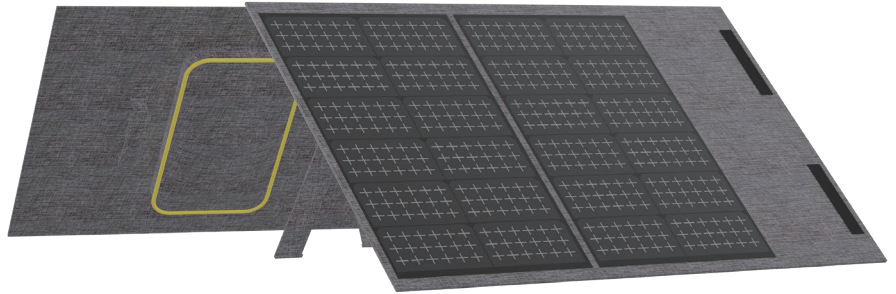
Item	Specification
Peak power (Pm):	36W
Solar cells:	WMT
cell efficiency:	25%
Maximum power voltage:	7V
Maximum power current:	5.14A
Open circuit voltage:	8.05V
short-circuit current:	5.91A
Operating temperature:	-20℃-60℃
Fold Number:	4
Folded Size:	295*207*25mm
Unfolded Size:	295*814*4mm
Weight:	1.0kg



Solar foldable bag (36W, 70W, 100W) | Product parameters

70W four fold solar foldable bag

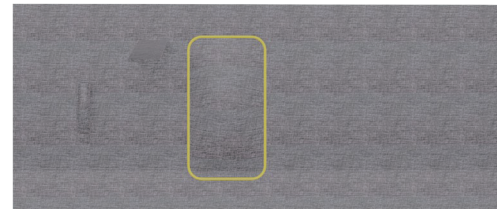
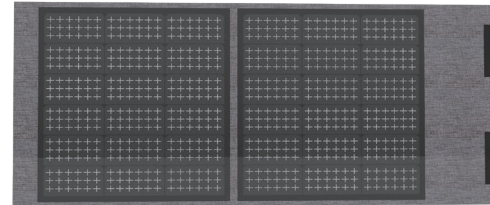
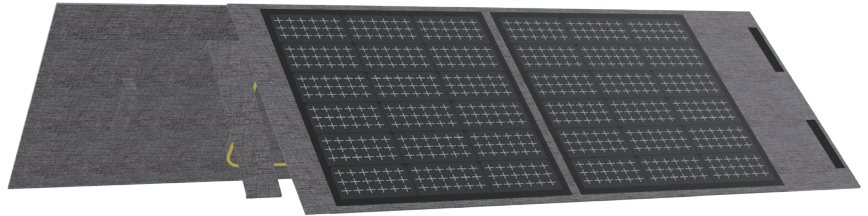
Item	Specification
Peak power (Pm):	70W
Solar cells:	WMT
cell efficiency:	25%
Maximum power voltage:	14V
Maximum power current:	5.0A
Open circuit voltage:	14V
short-circuit current:	5.0A
Operating temperature:	-20°C - 60°C
Fold Number:	2
Folded Size:	545*420*12mm
Unfolded Size:	855*545*4mm
Weight:	1.75kg



Solar foldable bag (36W, 70W, 100W) | Product parameters

100W four fold solar foldable bag

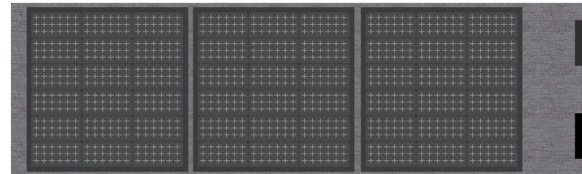
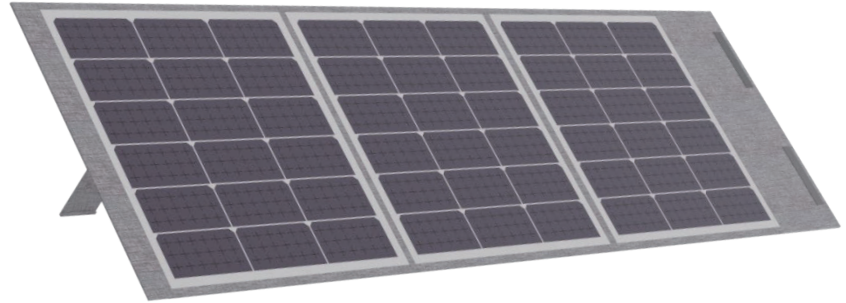
Item	Specification
Peak power (Pm):	100W±5%
Solar cells:	WMT
cell efficiency:	25%
Maximum power voltage:	19.8V
Maximum power current:	5.05A
Open circuit voltage:	23.76V
short-circuit current:	5.55A
Operating temperature:	-20℃-75℃
Fold Number:	2
Folded Size:	545*530*25mm
Unfolded Size:	1260*545*4mm
Weight:	1.75kg



Solar foldable bag (36W, 70W, 100W) | Product parameters

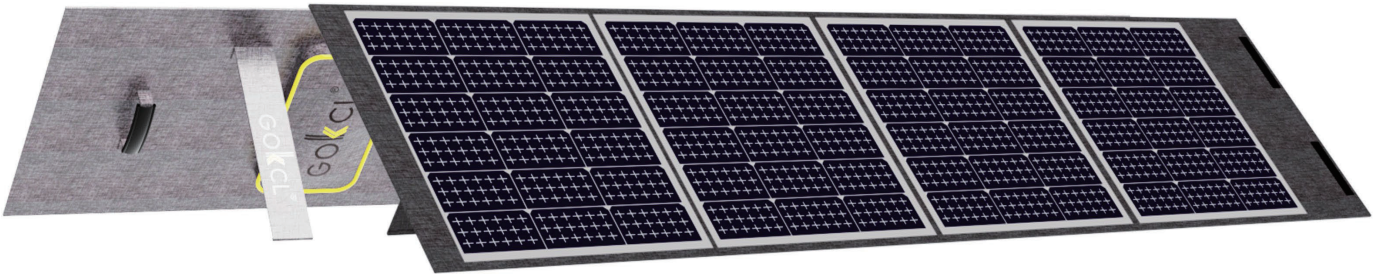
105W four fold solar foldable bag

Item	Specification
Peak power (Pm):	105W±5%
Solar cells:	WMT
cell efficiency:	25%
Maximum power voltage:	19.8V±5%
Maximum power current:	5.05A±5%
Open circuit voltage:	23.76V±5%
short-circuit current:	5.55A±5%
Operating temperature:	-20℃-75℃
Fold Number:	3
Folded Size:	545*375*28mm
Unfolded Size:	1350*545*4mm
Weight:	2.6kg

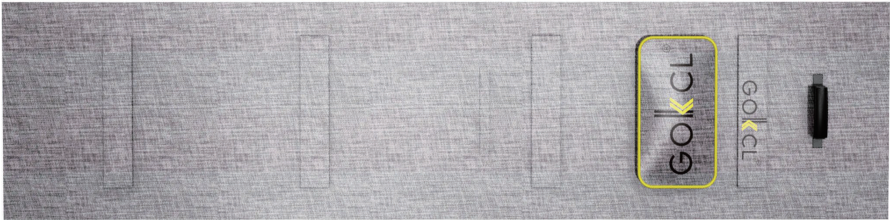
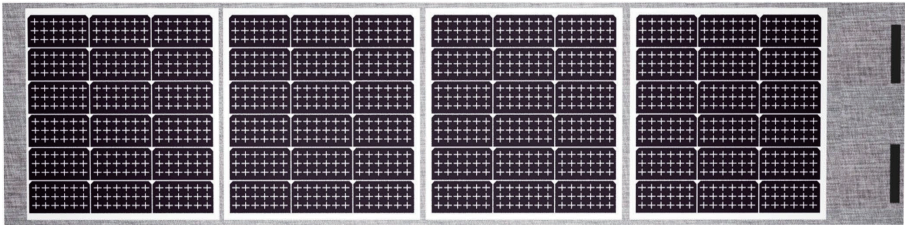


Solar foldable bag (100W, 200W, 400W) | Product parameters

200W four fold solar foldable bag

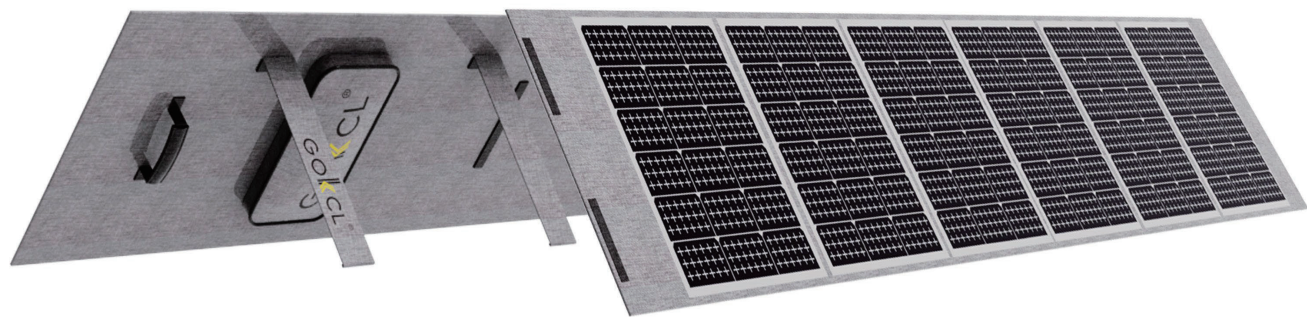


Item	Specification
Peak Power(Pm):	200W±5%
Solar Cell Lamination:	TPT
cell Conversion Efficiency:	25%
Peak Point Voltage:	19.8V±5%
Peak Point Current:	10.1A±5%
Open Circuit voltage(voc):	23.76V±5%
Short Circuit Current(1sc):	11.1A±5%
Operating temperature range:	-20℃~ +75℃
T test temperature:	25℃
Folding Number:	4
Dimension:	2330*545*4mm
Weight:	4.5kg

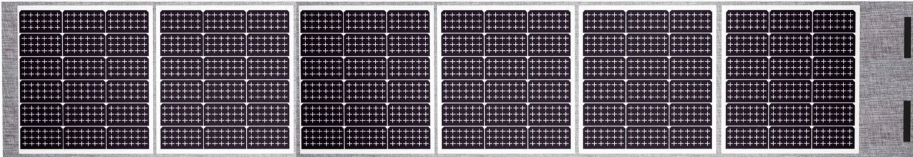


Solar foldable bag (100W, 200W, 400W) | Product parameters

400W six fold solar foldable bag



Item	Specification
Peak Power(Pm):	400W±5%
Solar Cell Lamination:	TPT
Cell Efficiency:	25%
Voltage at Max Power(Vmp):	26.4v±5%
Current at Max Power(Imp):	15.15A±5%
Open Circuit voltage(voc):	31.68v±5%
Short Circuit Current(1sc):	16.66A±5%
Operating Temperature:	—20℃~75℃
Best Working Temperature:	25℃±2℃
Folding Number:	6
Dimension(unfolded):	3460*710*4mm
Weight:	9.25kg



25%

High efficiency,
new height to
industry

45%

Lighter weight,
more portable

IP67

Waterproof



全球25年发电性能保证

12年
质量保证

25年
功率保证

符合全球承保

LLOYD'S



Lightweight and
ultra-thin design



Portable
installation



Ultra high flexibility



Lead-free green

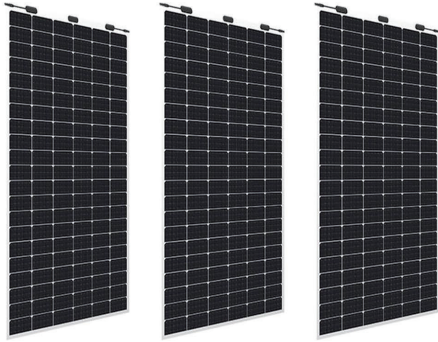


Efficient
transformation



Customizable





100W flexible MWT solar panel

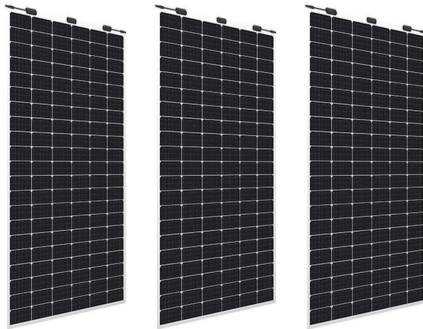
Electrical Characteristics at Standard Test Conditions (STC)

Spec/model	Unit	SPP100QHES	SPP1050QHES
Max-Power(Pm)	W	100	105
Power Tolerance	W	0 ~ +5	
Max-Power Voltage(Vm)	V	20.4	20.6
Max-Power Current(I _m)	A	4.91	5.11
Open-Circuit Voltage(V _{oc})	V	24.6	24.8
Short-Circuit Current(I _{sc})	A	5.22	5.42
Effective Module Efficiency	%	22	22
STC:AM = 1.5, Irradiation 1000W/m ² , Module Temperature 25°C Power Tolerance ±3%			



Electrical Characteristics at Nominal Module Operating Temperature(NMOT)

Spec/model	Unit	SPP100QHES	SPP105QHES
Max-Power(Pm)	W	72	76
Max-Power Voltage(Vm)	V	18.5	18.7
Max-Power Current(I _m)	A	3.89	4.06
Open-Circuit Voltage(V _{oc})	V	22.5	22.7
Short-Circuit Current(I _{sc})	A	4.21	4.38
NMOT:Irradiation 800W/m ² , Ambient temperature 20°C, Wind Speed 1m/s			



200W flexible MWT solar panel

Electrical Characteristics at Standard Test Conditions (STC)

Spec/model	Unit	SPP200QHES	SPP205QHES
Max-Power(Pm)	W	200	205
Power Tolerance	W	0 ~ +5	
Max-Power Voltage(Vm)	V	19.8	20.0
Max-Power Current(I _m)	A	10.11	10.25
Open-Circuit Voltage(Voc)	V	23.9	24.1
Short-Circuit Current(I _{sc})	A	10.65	10.81
Effective Module Efficiency	%	22	22
STC:AM = 1.5, Irradiation 1000W/m ² , Module Temperature 25°C Power Tolerance ±3%			



Electrical Characteristics at Nominal Module Operating Temperature(NMOT)

Spec/model	Unit	SPP200QHES	SPP205QHES
Max-Power(Pm)	W	145	149
Max-Power Voltage(Vm)	V	18.3	18.5
Max-Power Current(I _m)	A	7.93	8.06
Open-Circuit Voltage(Voc)	V	22.0	22.2
Short-Circuit Current(I _{sc})	A	8.58	8.71
NMOT:Irradiation 800W/m ² , Ambient temperature 20°C, Wind Speed 1m/s			

High-efficiency monocrystalline bifacial solar panel

430-455 Wat 144cells 182N-Type



Maximum Power Pmax [W]	430	435	440	445	450	455
Optimum operating voltage Vmp [V]	40.70	40.90	41.10	41.30	41.50	41.70
Optimum operating current Imp [A]	10.57	10.64	10.71	10.78	10.85	10.92
Open circuit voltage Voc [V]	48.50	48.70	48.90	49.10	49.30	49.50
Short circuit current Isc [A]	11.31	11.39	11.46	11.53	11.60	11.66
Module efficiency [%]	21.87	22.07	22.26	22.45	22.65	22.80
Output power tolerance	0 ~ + 3%					
Temperature coefficient of maximum power Pmax	-0.29%/°C					
Temperature coefficient of open circuit voltage Voc	-0.25%/°C					
Temperature coefficient of short-circuit current Isc	0.045%/°C					
Operating temperature range	-40°C ~ +70°C					
Maximum system voltage	1500 VDC (IEC)					
Maximum rated fuse current	20 A					
Cell Type	N-type monocrystalline silicon cell					
Number of half-cell cells	144 (24×6)					
Component size	2094×1038×35mm					
Component weight	23.5kg					
Upper surface glass material	2.0mm, High-transmittance coated glass, low-iron tempered glass, embossed					
frame	Anodized aluminum alloy					
Junction Box	IP68					
Safety protection level	Class II					
Component fire rating	Class C					
Connector Type	JK03M/MC4/others					
Output wire	4.0mm ²					
	Wire length: (+): 300mm, (-): 300mm; Or customized					

Maximum Power Pmax [W]	525	530	535	540	545	550	555
Optimum operating voltage Vmp [V]	41.15	41.31	41.47	41.64	41.80	41.96	42.12
Optimum operating current Imp [A]	12.76	12.83	12.90	12.97	13.04	13.11	13.18
Open circuit voltage Voc [V]	49.15	49.30	49.45	49.60	49.75	49.90	50.05
Short circuit current Isc [A]	13.65	13.72	13.79	13.86	13.93	14.00	14.07
Module efficiency [%]	20.30	20.50	20.70	20.90	21.10	21.30	21.50
Output power tolerance	0 ~ + 3%						
Temperature coefficient of maximum power Pmax	-0.29%/°C						
Temperature coefficient of open circuit voltage Voc	-0.25%/°C						
Temperature coefficient of short-circuit current Isc	0.045%/°C						
Operating temperature range	-40°C ~ +70°C						
Maximum system voltage	1500 VDC (IEC)						
Maximum rated fuse current	25 A						
	N-type monocrystalline silicon cell						
	144 (24×6)						
	2279×1134×35mm						
	28.6kg						
	2.0mm, High-transmittance coated glass, low-iron tempered glass, embossed						
	Anodized aluminum alloy						
Junction Box	IP68						
Safety protection level	Class II						
Component fire rating	Class C						
Connector Type	JK03M/MC4/others						
Output wire	4.0mm ²						
	Wire length: (+): 300mm, (-): 300mm; Or customized						

High-efficiency monocrystalline bifacial solar panel

565-585Wat 144cells 182N-Type



Maximum Power Pmax [W]	565	570	575	580	585
Optimum operating voltage Vmp [V]	41.41	41.54	41.67	41.80	41.93
Optimum operating current Imp [A]	13.65	13.73	13.81	13.89	13.97
Open circuit voltage Voc [V]	49.91	50.04	50.17	50.30	50.30
Short circuit current Isc [A]	14.33	14.41	14.49	14.57	14.65
Module efficiency [%]	21.87	22.07	22.26	22.45	22.65
Output power tolerance	0 ~ + 3%				
Temperature coefficient of maximum power Pmax	-0.29%/°C				
Temperature coefficient of open circuit voltage Voc	-0.25%/°C				
Temperature coefficient of short-circuit current Isc	0.045%/°C				
Operating temperature range	-40°C ~ +70°C				
Maximum system voltage	1500 VDC (IEC)				
Maximum rated fuse current	25 A				
Cell Type	N-type monocrystalline silicon cell				
Number of half-cell cells	144 (72×2)				
Component size	2278×1134×30mm				
Component weight	31.5kg				
Upper surface glass material	2.0mm, High-transmittance coated glass, low-iron tempered glass, embossed				
frame	Anodized aluminum alloy				
Junction Box	IP68				
Safety protection level	Class II				
Component fire rating	Class C				
Connector Type	JK03M/MC4/others				
Output wire	4.0mm ²				
	Wire length: (+): 300mm, (-): 300mm; Or customized				

High-efficiency monocrystalline bifacial solar panel

610-535Wat 132cells 182N-Type



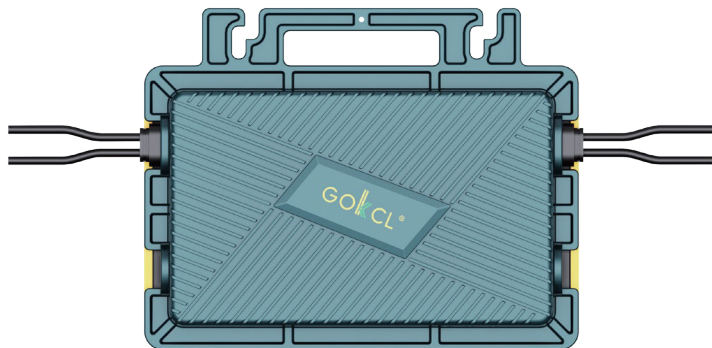
Maximum Power Pmax [W]	610	615	620	625	630	635
Optimum operating voltage Vmp [V]	40.56	40.73	40.90	41.07	41.23	41.39
Optimum operating current Imp [A]	15.04	15.10	15.16	15.22	15.28	15.34
Open circuit voltage Voc [V]	48.63	48.79	48.95	49.11	49.27	49.43
Short circuit current Isc [A]	16.01	16.08	16.15	16.22	16.29	16.36
Module efficiency [%]	22.58	22.77	22.95	23.14	23.32	23.51
Output power tolerance	0 ~ + 3%					
Temperature coefficient of maximum power Pmax	-0.29%/°C					
Temperature coefficient of open circuit voltage Voc	-0.25%/°C					
Temperature coefficient of short-circuit current Isc	0.045%/°C					
Operating temperature range	-40°C ~ +70°C					
Maximum system voltage	1000/1500 VDC (IEC)					
Maximum rated fuse current	30 A					
Cell Type	N-type monocrystalline silicon cell					
Number of half-cell cells	132 (66×2)					
Component size	2382×1134×32mm					
Component weight	28.2kg					
Upper surface glass material	3.2mm, High-transmittance coated glass, low-iron tempered glass, embossed					
frame	Anodized aluminum alloy					
Junction Box	IP68					
Safety protection level	Class II					
Component fire rating	Class C					
Connector Type	JK03M/MC4/others					
Output wire	4.0mm ²					
	Wire length: (+): 300mm, (-): 200mm; Or customized					

MICRO INVERTER



M600/M800

M600 Micro inverter



wifi物联网



逆向电力传输



MPPT点追踪



支持多台并网

Model

M600

Input Data (DC, PV)

Number of Input MC4 Connector	2 sets
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	52V
Startup Voltage	18V
Maximum Input Power	600W
Maximum input Current	12A*2

Output Data(AC)

Single-Phase Grid Type	120V&230V
Rated Output Power	600W
Maximum Output Power	600W
Nominal Output Current	@ 120VAC:5A/ @230VAC:2.6A
Nominal Output Voltage	120VAC /230VAC
Default Output Voltage Range	@ 120VAC:80V-160V /@230VAC:180V-270V
Nominal Output Frequency	50Hz / 60Hz
Default Output Frequency Range	@50Hz:48Hz-51Hz/ @60Hz:58Hz-61Hz
Power Factor	>0.99%
Total Harmonic Distortion	THD <5%
Maximum Units per Branch	@120VAC:5units /@230VAC: 10units

Efficiency

Peak Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	<1w

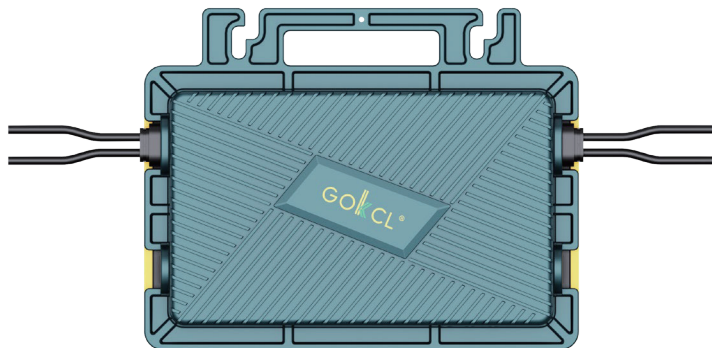
Mechanical Data

Operating Ambient Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +85°C
Dimensions(W*H *D)	230mmx200mm x 35mm (not include connectors and cable)
Weight	2.45kg
Max Current of AC Bus Cable	20A
Waterproof Grade	IP65
Cooling Mode	Natural Convection- No Fans

Other Features

Communication	WiFi(Cloud monitoring)
Transformer Design	High Frequency Transformers,Galvanically Isolated
Integrated Ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required.
Protection Functions	Isolated Island Protection,Voltage Protection, Frequency Protection, Temperature Protection,Current Protection, etc.
Design Compliance	EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC55014-2:2021,EN IEC55014-2:2021,

M800 Micro inverter



Model

M800

Input Data (DC, PV)

Number of Input MC4 Connector	2 sets
MPPT Voltage Range	22V~48V
Operation Voltage Range	20V~50V
Maximum Input Voltage	52V
Startup Voltage	18V
Maximum Input Power	800W
Maximum input Current	12A*2

Output Data(AC)

Single-Phase Grid Type	120V&230V
Rated Output Power	800W
Maximum Output Power	800W
Nominal Output Current	@ 120VAC:5A/@230VAC:2.6A
Nominal Output Voltage	120VAC /230VAC
Default Output Voltage Range	@120VAC:80V-160V /@230VAC:180V-270V
Nominal Output Frequency	50Hz / 60Hz
Default Output Frequency Range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz
Power Factor	>0.99%
Total Harmonic Distortion	THD <5%
Maximum Units per Branch	@120VAC:5units /@230VAC: 10units

Efficiency

Peak Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	<1w

Mechanical Data

Operating Ambient Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +85C
Dimensions(W*H *D)	230mmx200mm x 40mm (not include connectors and cable)
Weight	2.45kg
Max Current of AC Bus Cable	20A
Waterproof Grade	IP65
Cooling Mode	Natural Convection- No Fans

Other Features

Communication	WIFI(Cloud monitoring)
Transformer Design	High Frequency Transformers,Galvanically Isolated
Integrated Ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required.
Protection Functions	Isolated Island Protection,Voltage Protection, Frequency Protection, Temperature Protection,Current Protection, etc.
Design Compliance	EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC55014-2:2021, EN IEC55014-2:2021,

M700 Micro photovoltaic inverter

Designed for single solar photovoltaic panel components

Suitable for large-scale commercial projects

The starting voltage is only 20V

DC voltage is less than 60V

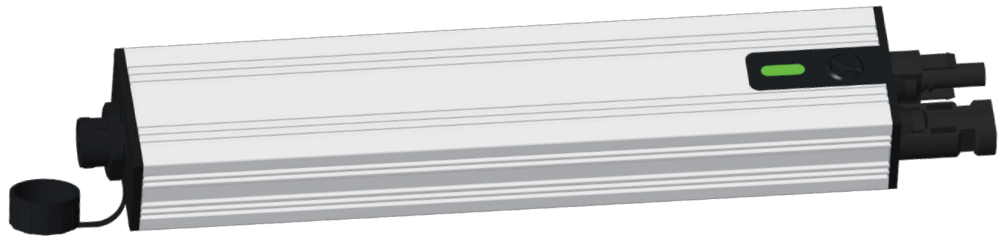
With anti-islanding protection function

With input reverse connection protection and output short circuit protection

6000V surge protection

Output power up to 600VA

IP67 protection level





GOKKCL[®]
Multi-Scene Power

Website: www.GOKKCL.com
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