GOKCL®
Multi-Scene Power



# Qimei New Energy Technology Co., Ltd

# About us

Shenzhen 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























**25%**
High efficiency, new height to industry

**45%**
Lighter weight, more portable

**IP67**
Waterproof





Lightweight and ultra-thin design

Portable installation

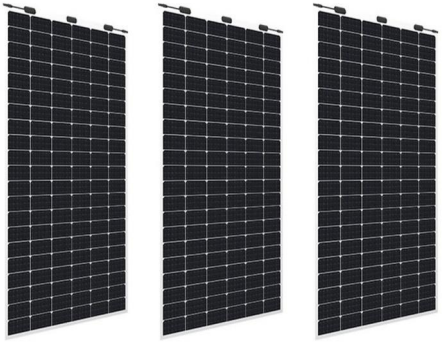
Ultra high flexibility

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(Im) | A | 4.91 | 5.11 |
| Open-Circuit Voltage(Voc) | V | 24.6 | 24.8 |
| Short-Circuit Current(Isc) | A | 5.22 | 5.42 |
| Effective Module Efficiency | % | 22 | 22 |

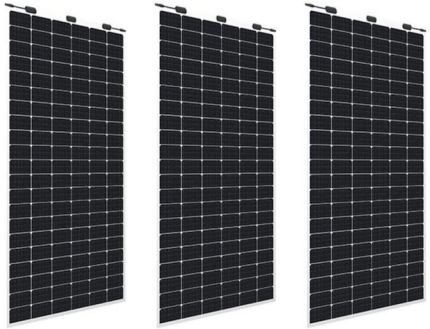
STC:AM = 1.5, Irradiation 1000W/㎡, Module Temperature 25℃ Power Tolerance ±3%



## 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(Im) | A | 3.89 | 4.06 |
| Open-Circuit Voltage(Voc) | V | 22.5 | 22.7 |
| Short-Circuit Current(Isc) | A | 4.21 | 4.38 |

NMOT:Irradiation 800W/㎡, Ambient temperature 20℃, Wind Speed Im/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(Im) | A | 10.11 | 10.25 |
| Open-Circuit Voltage(Voc) | V | 23.9 | 24.1 |
| Short-Circuit Current(Isc) | A | 10.65 | 10.81 |
| Effective Module Efficiency | % | 22 | 22 |

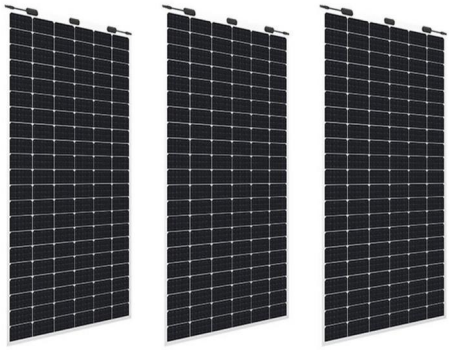
STC:AM = 1.5, Irradiation 1000W/㎡, Module Temperature 25℃ Power Tolerance ±3%



## 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(Im) | A | 7.93 | 8.06 |
| Open-Circuit Voltage(Voc) | V | 22.0 | 22.2 |
| Short-Circuit Current(Isc) | A | 8.58 | 8.71 |

NMOT:Irradiation 800W/㎡, Ambient temperature 20℃, Wind Speed Im/s



# 380W flexible MWT solar panel

## Electrical Characteristics at Standard Test Conditions (STC)

| Spec/model | Unit | SPP365QHES | SPP370QHES | SPP375QHES | SPP380QHES | SPP385QHES |
|---|---|---|---|---|---|---|
| Max-Power(Pm) | W | 365 | 370 | 375 | 380 | 385 |
| Power Tolerance | W | | | 0~+5 | | |
| Max-Power Voltage(Vm) | V | 34.9 | 35.1 | 35.3 | 35.5 | 35.7 |
| Max-Power Current(Im) | A | 10.46 | 10.54 | 10.62 | 10.70 | 10.78 |
| Open-Circuit Voltage(Voc) | V | 42.4 | 42.6 | 42.8 | 43.0 | 43.2 |
| Short-Circuit Current(Isc) | A | 11.09 | 11.16 | 11.23 | 11.30 | 11.35 |
| Effective Module Efficiency | % | 22 | 22 | 22 | 22 | 22 |

STC:AM = 1.5, Irradiation 1000W/㎡, Module Temperature 25℃ Power Tolerance ±3%



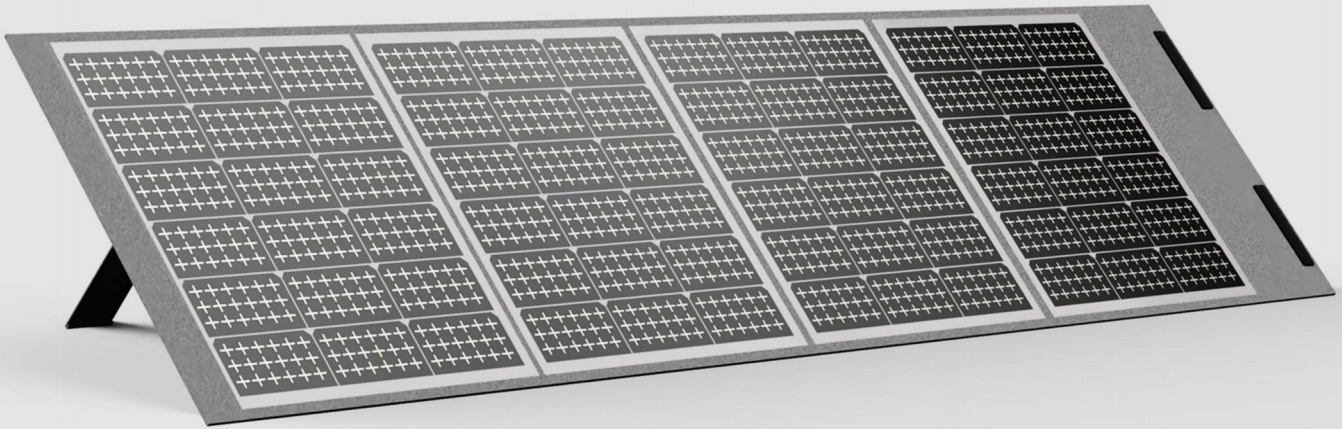
## Electrical Characteristics at Nominal MOdule Operating Temperature(NMOT)

| Spec/model | Unit | SPP365QHES | SPP370QHES | SPP375QHES | SPP380QHES | SPP385QHES |
|---|---|---|---|---|---|---|
| Max-Power(Pm) | W | 274 | 278 | 282 | 286 | 290 |
| Max-Power Voltage(Vm) | V | 32.8 | 33.0 | 33.2 | 33.4 | 33.6 |
| Max-Power Current(Im) | A | 8.35 | 8.42 | 8.49 | 8.56 | 8.64 |
| Open-Circuit Voltage(Voc) | V | 39.9 | 40.1 | 40.3 | 40.5 | 40.7 |
| Short-Circuit Current(Isc) | A | 8.91 | 8.98 | 9.05 | 9.12 | 9.19 |

NMOT:Irradiation 800W/㎡, Ambient temperature 20℃, Wind Speed Im/s

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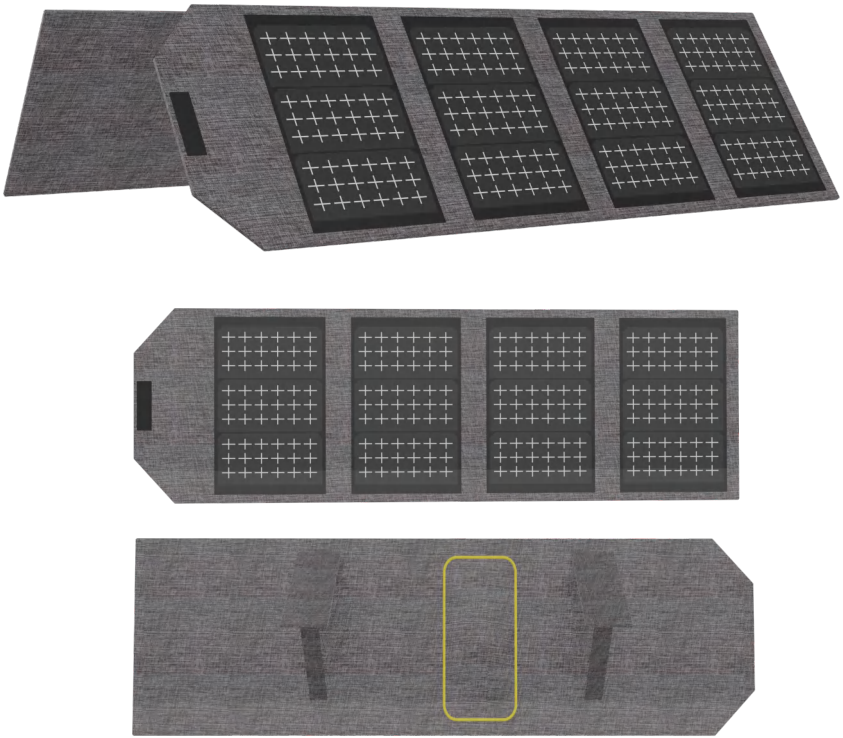
# Portable solar folding bag



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

## 36W four fold solar foldable bag

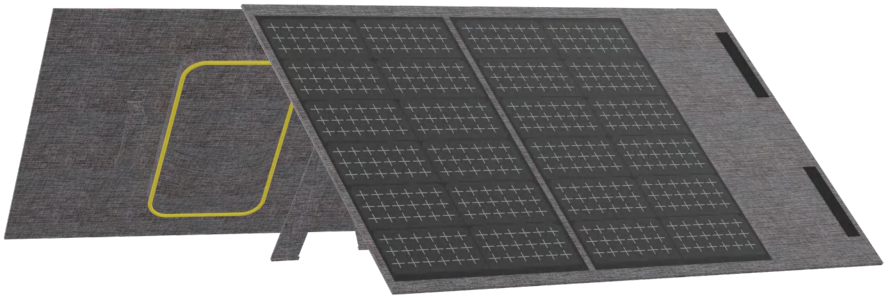
| Item | Specification |
|---|---|
| Peak power (Pm): | 36W |
| Solar cells: | WMT |
| cell efficiency: | 25% |
| Maximum power voltage: | 7V |
| Maximum power current: | 5.14A |
| Open circuit voltage: | 8.05V |
| short-circuit current: | 5.91A |
| Operating temperature: | -20℃-60℃ |
| Fold Number: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

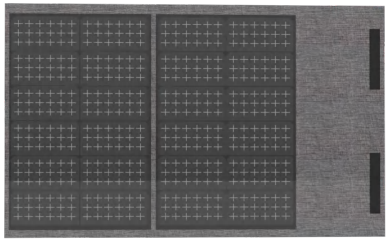


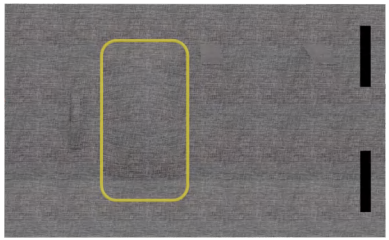
# Solar foldable bag（36W，70W，100W)｜Product parameters

## 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℃-60℃ |
| Fold Number: | 2 |
| Folded Size: | 545*420*12mm |
| Unfolded Size: | 855*545*4mm |
| Weight: | 1.75kg |



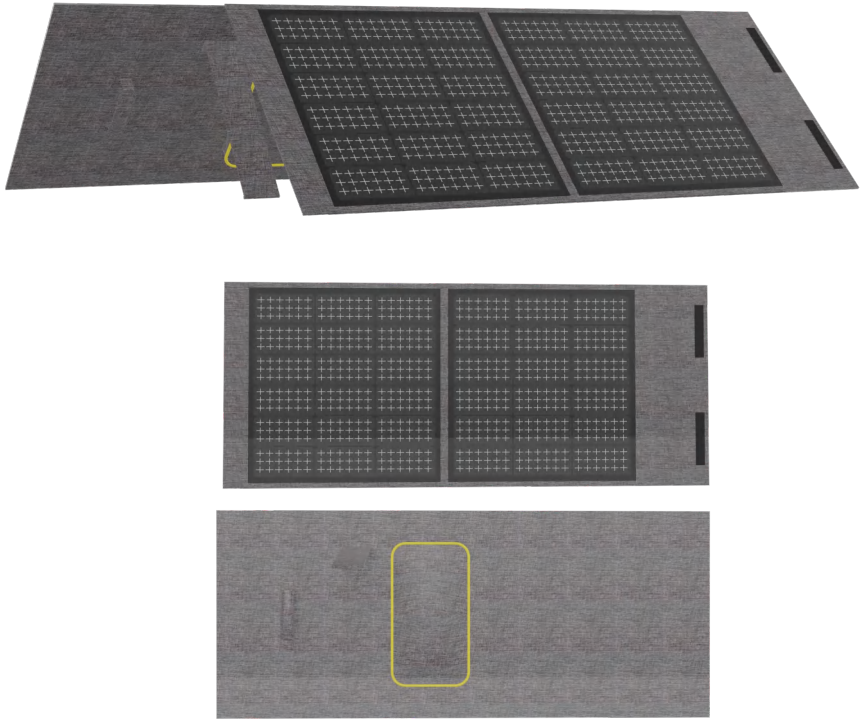




# Solar foldable bag（36W，70W，100W)｜Product parameters

## 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 |

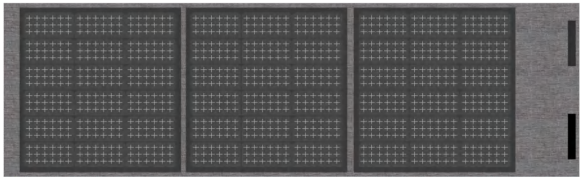


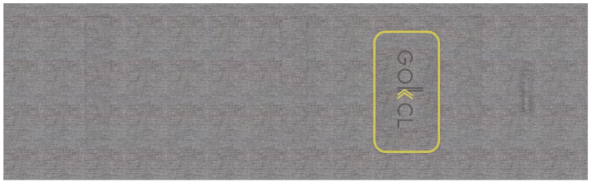
# Solar foldable bag（36W，70W，100W)｜Product parameters

## 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±55 |
| 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 |





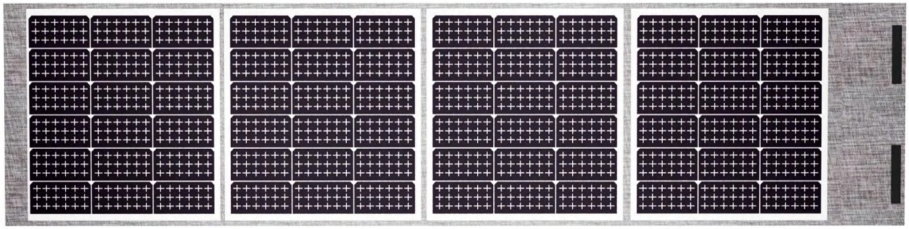


# Solar foldable bag (100W, 200W, 400W) | Product parameters

## 200W four fold solar foldable bag



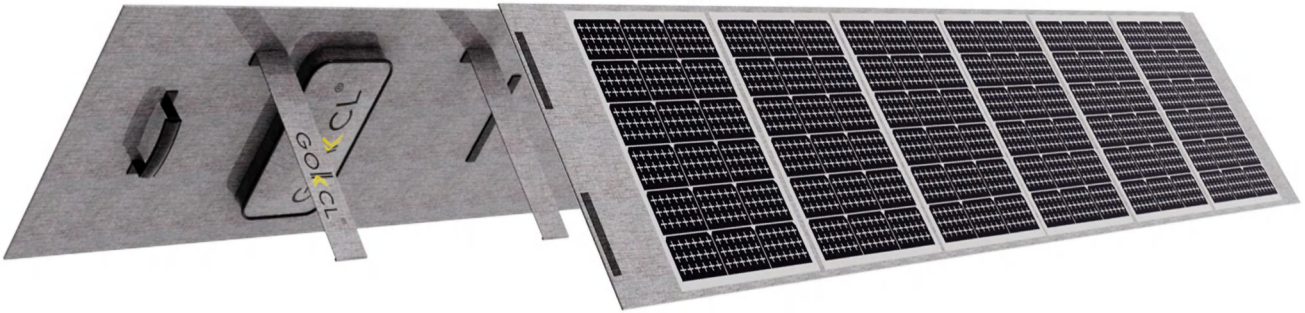
| Item | Specification |
|---|---|
| Peak Power(Pm): | 200W±5% |
| Solar Cell Lamination: | TPT |
| cell Conversion Efficiency: | 25% |
| Peak Point Voltage: | 19.8V±5% |
| Peak Point Current: | 10.1A±5% |
| Open Circuit voltage(voc): | 23.76V±5% |
| Short Circuit Current(1sc): | 11.1A±5% |
| Operating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



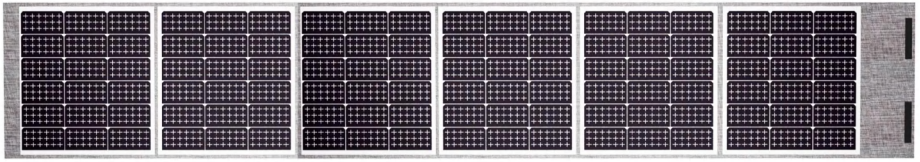


# Solar foldable bag (100W, 200W, 400W) | Product parameters

## 400W six fold solar foldable bag

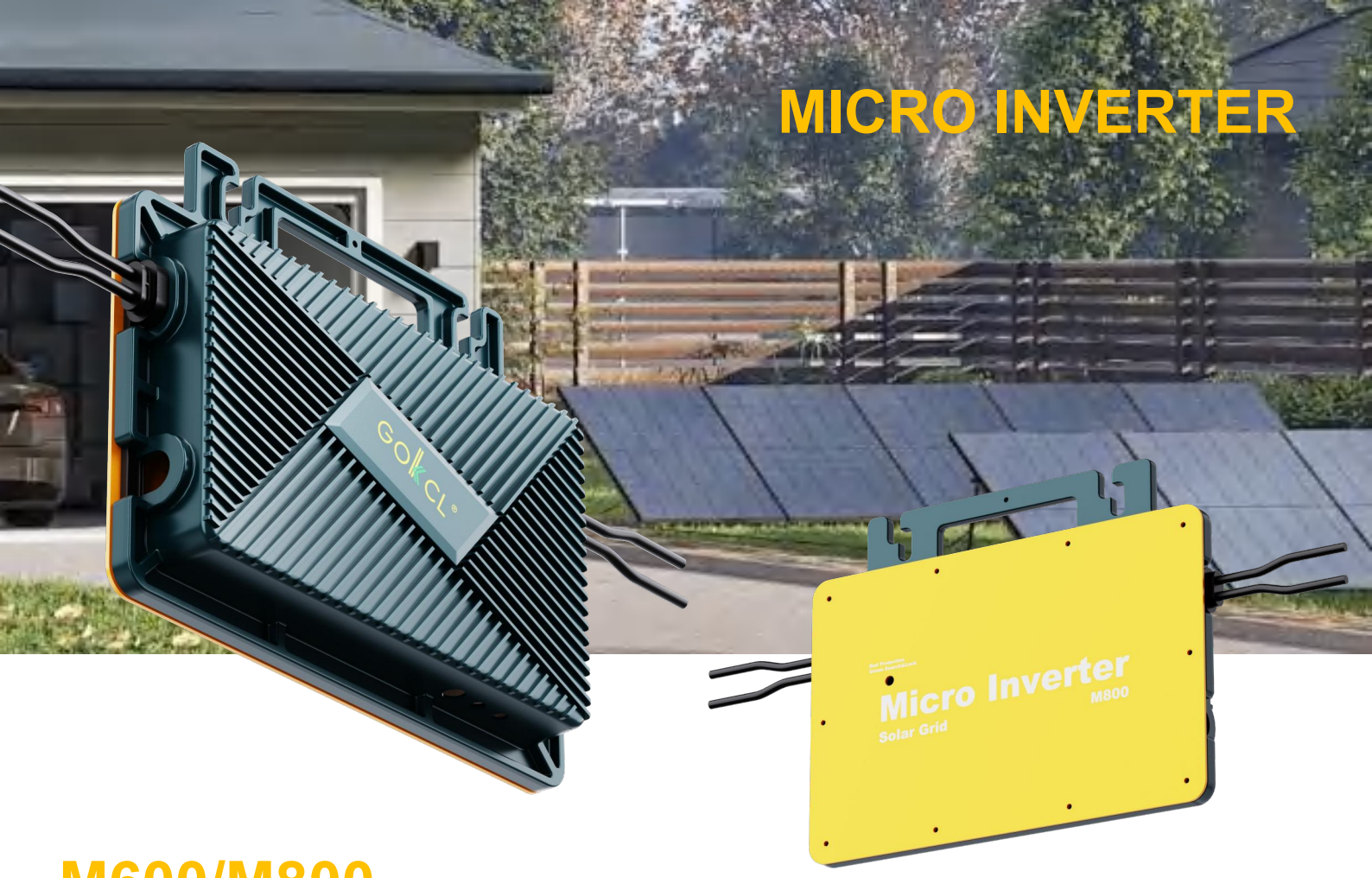


| Item | Specification |
|---|---|
| Peak Power(Pm): | 400W±5% |
| Solar Cell Lamination: | TPT |
| Cell Efficiency: | 25% |
| Voltage at Max Power(Vmp): | 26.4v±5% |
| Current at Max Power(Imp): | 15.15A±5% |
| Open Circuit voltage(voc): | 31.68v±5% |
| Short Circuit Current(1sc): | 16.66A±5% |
| Operating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



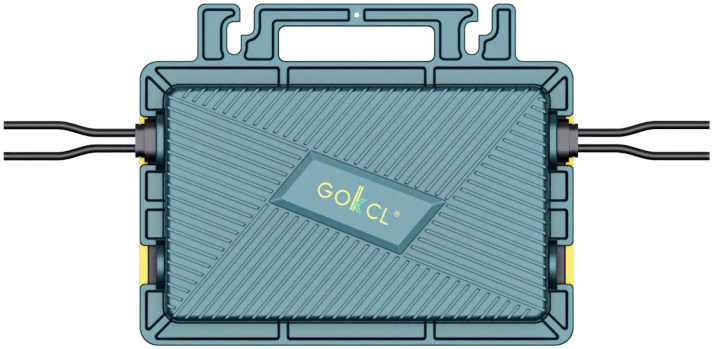


# MICRO INVERTER




## M600/M800

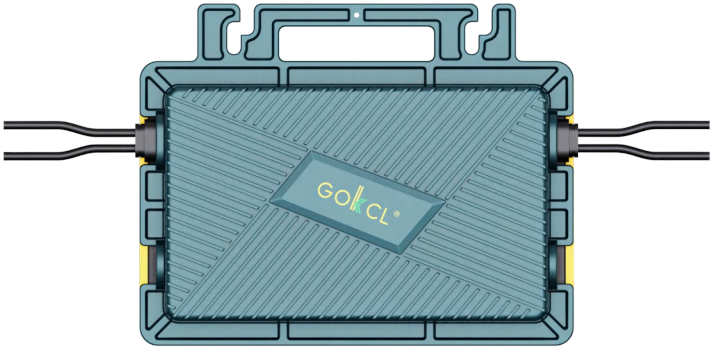
# M600 Micro inverter






| 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℃ to +65℃ |
| Storage Temperature Range | -40°C to +85C |
| 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℃ to +65℃ |
| Storage Temperature Range | -40℃ to +85C |
| Dimensions(W*H *D) | 230mmx200mm x 40mm<br>(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.<br>No additional ground is required. |
| Protection Functions | Isolated Island Protection,Voltage Protection,<br>Frequency Protection,<br>Temperature Protection,Current Protection, etc. |
| Design Compliance | EN IEC61000-3-2:2019+A1:2021,<br>EN 61000-3-3:2013+A1:2019+A2:2021,<br>EN IEC55014-2:2021,EN IEC55014-2:2021, |



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