

iGarden

Micro Energy Storage System



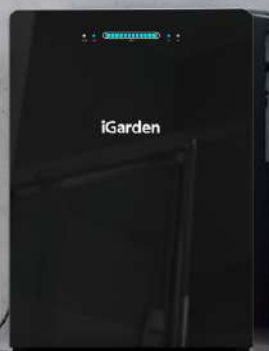
Unique Pad Design



2-Hour Full Charge



100% Free Power



Plug & Play Setup

DIY Installation with
Universal Compatibility

Dual-Source Input

Solar + Grid,
2400W Combined

Expandable Capacity

5.12 kWh (standalone)
Up to 20 kWh (4 units in parallel)

Extreme Climate Ready

-20°C Operation with
Built-in Heating

Specification Sheet

Battery

| | |
|---------------------------------|-----------|
| Rated capacity (Ah) | 100 |
| Rated voltage (V) | 51.2 |
| Rated capacity (Wh) | 5120 |
| Battery type | LiFePO4 |
| Voltage operating range type | 44.8-58.4 |
| Maximum charging current (A) | 60 |
| Maximum discharging current (A) | 60 |
| Heating film | Support |
| Cycle times | 6000 |

Photovoltaic input

| | |
|-------------------------------|--------|
| Operating voltage range (Vdc) | 10-100 |
| Maximum input voltage (Vdc) | 100 |
| Maximum input current (A) | 16*2 |
| Maximum input power (W) | 1000*2 |

AC grid connection

| | |
|-------------------------------------|----------------|
| Grid type | Unidirectional |
| Rated voltage (Vdc) | 230 |
| Rated AC frequency (Hz) | 50 |
| Maximum continuous output power (W) | 2400 |

| | |
|---------------------------------------|------|
| Maximum continuous output current (A) | 10.9 |
| Maximum continuous input power (W) | 2400 |
| Maximum continuous input current (A) | 10.9 |

Off-grid AC port

| | |
|---------------------------------------|----------------|
| Grid type | Unidirectional |
| Rated AC voltage (Vac) | 230 |
| Rated AC frequency (Hz) | 50 |
| Maximum continuous output power (W) | 2400 |
| Maximum continuous output current (A) | 10.9 |

Structural information

| | |
|------------------|---------------|
| Dimensions (mm) | 520*181*715mm |
| Weight (kg) | 59±2Kg |
| Protection level | IP65 |

Environmental parameters

| | |
|--|---------------------------|
| Allowed operating ambient temperature (°C) | -20~60 |
| Relative humidity | 5 to 95% @No condensation |

Altitude

| | |
|-------------------------|---|
| Communication | ≤2000m |
| Communication interface | WIFI、Bluetooth、RS485 |
| Certification | CB、CE-LVD/EMC/RED、RoHS、WEEE、 EN 50549-1/10、C10/11、VDE 4105、 CEI 0-21、UN38.3 |

*The above data are based on test records in a controlled environment, and the actual usage depends on external environmental conditions.



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