

Caveats:

- Please make sure to keep the Hope1000 products and accessories dry and away from any sources of fire
- Please avoid taking apart or making any unauthorized modifications to the product interface.
- Kindly follow local regulations when disposing of the product.
- them to use the product under the supervision of a guardian.

Important Notice:

Please take the time to review all safety tips, warning instructions, usage guidelines, and disclaimers, As the user, you are fully responsible for how the product is used and operated, Before using the product, we advise you to become familiar with the applicable legal regulations in your area. It's important for you to understand and comply with the relevant legal provisions when using the product.

Product Usage Guidelines:

1. Please make sure to use the appropriate accessories designed for the HOPE1000. Felicity cannot be held responsible for any issues arising from the use of non-matching accessories or for any resulting consequences.
2. It's important to use the product in a dry and well-ventilated environment, and to avoid obstructing the air vents.
3. Please don't leave HOPE1000 in operation when unattended.
4. Keep the product away from any contact with liquids, submersion in water, or use in rainy or humid conditions.
5. When connecting product accessories or input/output wires, remember to turn off the device's power.
6. Using the product in environments with temperatures exceeding 60°C may cause the battery to catch fire or explode. In temperatures below 0°C, the product may not function properly.
7. Please refrain from disassembling the product or piercing it with sharp objects, as this may lead to internal malfunctions and fire hazards.
8. If the product has been subjected to severe impact or has been dropped, it should not be used again.
9. It is strictly prohibited to short-circuit the product with wires or metal objects, as this poses a fire risk.
10. The use of power products inevitably generates an electromagnetic field. For devices susceptible to electromagnetic interference, please consult the manufacturer for relevant usage restrictions.
11. Devices like refrigerator that require a peak power to start up may cause the AC output to shut down when connected to HOPE1000. For refrigerator used to store high-value items such as medicines and vaccines, please ensure a complete test before using the HOPE1000 to power it.

Storage and Transportation Guidelines:

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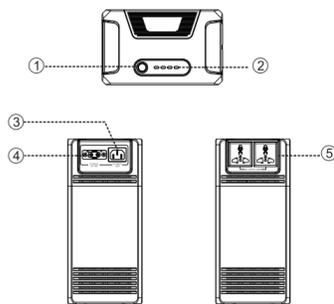
Battery Disposal Guidelines:

1. Batteries are hazardous chemicals and should not be thrown away in regular trash bins, Please follow local battery recycling laws to dispose of used batteries properly.
2. If the battery is severely flated and unable to power up, please get in touch with our customer service team to determine if the product should be discarded.

Maintenance Guidelines:

1. The battery should be stored in a temperature range of -20°C to 45°C, and it should be used in a temperature range of 0°C to 45°C.
2. It's important to fully discharge and recharge the HOPE1000 at least once every three months. This involves discharging the battery to 25% capacity and then recharging it to 80% capacity in order to maintain battery performance.

Features introduction:



1. On/Off Button
2. Status Indicators
3. AC Input port(220V,50Hz)
4. PV Input port(12-36V,200W)
5. AC Output port(220V,50Hz)

1. On & off Button

- 1) To turn on the system when the device is powered off, press the button for 0.5 seconds, All status indicators will light up, and the AC output will be enabled by default. The indicators will show the current battery level.
- 2) When the device is powered on, press the button for 3 seconds to turn off the system, All status indicators will turn off, and the AC output will be disabled.

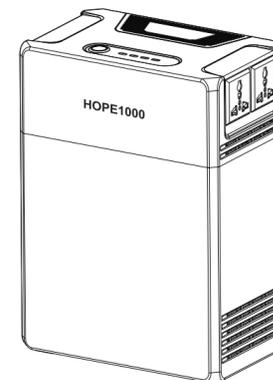
2. Status indicators

	Indicator 1	Indicator 2	Indicator 3	Indicator 4
Powered-off status				
	○	○	○	○
Fault status				
	●	○	○	○
Charging status				
The battery level stays consistent and a blinking light indicates an increase in battery level.				
0-25%SOC	●	●	○	○
25-50%SOC	●	●	●	○
50-75%SOC	●	●	●	●
Discharging status				
Steady in the state described below				
75-100%SOC	●	●	●	●
50-75%SOC	●	●	●	○
25-50%SOC	●	●	○	○
0-25%SOC	●	○	○	○
Charging completed				
100%SOC	●	●	●	●
System upgrade in process				
100%SOC	●	●	○	○

- 1) The first indicator shows both red and green colors, while the other three indicators are green.
- 2) While charging, the green indicator stays on continuously, and the next level of battery indicator light blinks.
- 3) In the case of a serious fault, the red indicator stays on continuously, and AC output is disabled, HOPE1000 needs to be shut down and restarted to reset the default.
- 4) The green indicator shows the output power, and as the power decreases, the indicators gradually go out from right to left.
- 5) When the device is in the process of upgrading, 3rd and 4th indicator light up.
- 6) When the battery level is 0%, the red led flash for 10s, after that system automatic shutdown.



USER MANUAL



In order to prevent improper operation before use, please carefully read this manual.

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3. AC output port

HOPE1000 can supply 220V AC power for devices like TVs, fans, desk lamps, laptops and mobile phone chargers etc. Before using HOPE1000 to power a device, please make sure to carefully read the device manual and ensure that the device's rated power does not exceed 200W.

4. PV input port

HOPE1000 can handle solar input ranging from 12-36V with a maximum power of 200W. You have the option to connect two 100W solar panels in parallel or series, or a single 200W solar panel, it's also feasible to connect solar panels with a power greater than 200W, but it's important to ensure that the input voltage of the solar panel falls within the 12-36V range.

5. AC input port

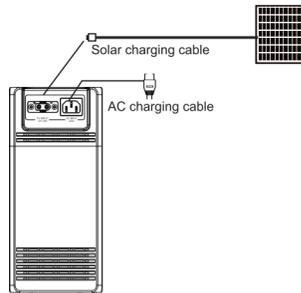
You can charge HOPE1000 using your local grid, which supports 220V-240V AC input.

6. Ventilation holes

The ventilation holes help prevent HOPE1000 from overheating, so please make sure not to block them.

7. How to use HOPE1000

The HOPE1000 comes with a charging interface that includes an AC charging port and an XT90 solar charging port, allowing it to be charged using your local grid or solar panels, It has a maximum charging power of 250W. When the product is turned off, plugging in the AC charger will automatically start charging the product.



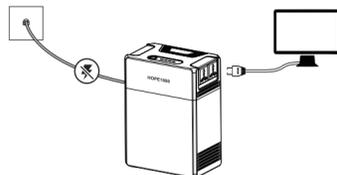
- Users have the option to use the 200W solar panel specifically for HOPE1000 or other separately purchased solar panels to charge the device. When using non-HOPE1000 specifically designed solar panels, it's important to carefully read the solar panel user manual to ensure that the solar panel voltage does not exceed 36V. Exceeding this voltage will trigger protection, and may cause damage to the product, Please note that HOPE1000 does not provide free repairs for damage caused by the use of non-HOPE1000 solar panels or improper connection.
- To charge the product, connect the MC4 connector of the photovoltaic panel to the XT90 interface using an adapter cable, and then insert it into the PV input port of HOPE1000, When there is sufficient sunlight, the product will begin charging.
- When using a 200W solar panel under sufficient sunlight, it takes approximately 5 hours to fully charge the device.
- The product operates in PV priority mode, meaning that when mains electricity and photovoltaic power are connected simultaneously, PV power takes priority for charging.
- Upon startup, the product defaults to PV priority mode. If the solar power generation is too low and falls below the set value (60W), it will automatically switch to grid power input for charging. During mains charging, the PV charging power is checked at regular intervals. If the PV power generation exceeds the set value (60W), it will switch to PV charging; otherwise, it will continue to charge from grid power until the battery is full.

7.1 EPS feature

The product can provide backup power by following the connection diagram: the AC charging cable is plugged into the main grid for charging, and the electrical devices are connected to the AC output port.

When the grid power is working normally, the electrical devices are powered directly by the grid power through an internal bypass, without using the battery power. In the event of a grid power outage / load shedding, the HOPE1000 automatically switches to take over the power supply within 15ms. This feature ensures that electrical devices such as fans and televisions continue to operate smoothly, seamlessly transitioning to HOPE1000 battery power when the grid power is off. When the grid power is restored, it can seamlessly switch from battery power supply to grid power supply.

Please be aware that this feature is an EPS function and does not regulate grid waveform. The battery stops outputting power when grid power is available and the switching time is approximately 15ms, typically used for emergency backup power. This function is not a professional-grade UPS function and does not support 0ms switching. Please refrain from using it to supply power to servers, workstations, and other equipment, HOPE1000 is not liable for any equipment malfunctions or data loss resulting from improper use.



8. Packaging



1. HOPE1000 x1
2. AC charging plug x1
3. User manual x1
4. Warranty card x1
5. PV charging plug x1

9. Datasheet

Model	HOPE1000
Rated Power	250W
Rated Battery Capacity	1kWh
AC Input Voltage	150~264Vac
AC Input Frequency	45~55Hz
AC Charging Power	250W
AC Output Voltage	230Vac ± 10%
Operating Frequency	50Hz
PV Input Voltage	12-36V
Max. PV Input Power	200W
Battery	LiFePo4
Battery Capacity	314Ah
Shelf Time	1 Year (fully-charged)
Weight	8.7kg
Dimension	210x130x288mm
Operating Temperature	0~45°C
Operating Altitude	<2000m
Humidity	95%
IP Level	IP20
Certification	UN38.3
Protection	Overcharge and overdischarge protection Overcurrent protection Overload protection Short circuit protection Fault protection

10. Frequently Asked Questions and Answers

When the red indicator on HOPE1000 is on, what does it indicate?

When the red indicator on HOPE1000 is on, it means that the product has stopped working due to issues like excessive load or internal overheating. Please unplug all devices, press and hold the power button for 3 seconds to turn it off. After 10 minutes, restart the device and see if it's working properly. If the product still doesn't work, get in touch with our after-sales team.

HOPE1000 can be connected to what kinds of devices?

HOPE1000 can power everyday devices, like fans, TVs, monitors, laptops, phone chargers, desk lamps, small refrigerators, and other similar appliances. Before connecting any device to HOPE1000, please make sure to carefully read the device's manual to ensure that the total power of all devices connected to HOPE1000 is less than 200W.

How to store HOPE1000?

Keep your HOPE1000 in a dry place, away from rain and water. If you're not going to use it for a while, remember to switch it off. Find a spot with the right temperature and good air flow for storage. To keep the battery in good condition during long-term storage, it's a good idea to charge and discharge the product every 3 months. Simply discharge the battery to 25% and then charge it back up to 75%.

Why can't I discharge power from HOPE1000?

1. Please make sure to use the original HOPE1000 charging cable and socket. Other charging cables or sockets may not work properly.
2. Make sure that the product is turned on. Press the power button for 0.5 seconds, and the product indicator will turn on.
3. Check if the product has enough power, if you see only one green indicator, it means the power is less than 25%, Please connect the charging cable to recharge the product first.
4. If the product indicator shows a red fault light, turn off the product and then restart it.
5. If you still can't discharge power, please get in touch with our after-sales team.