



# E-Box

1KWH MiniPowerStation

Portable Energy Storage Battery Pack



**1KWH**

Battery Capacity

•

**200W**

PV Charge

•

**300W**

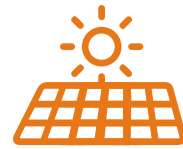
Output Power

Suzhou Three New Energy Co., Ltd.

# PV+grid charging

E-BOX can be charged by grid or solar, Whether indoors or outdoors.

Photovoltaic charging.



Photovoltaic charging



Grid charging

E-BOX has built - in MPPT and supports a maximum of 200W solar charging. The charging voltage is 12 - 60V. It can be directly connected to the solar panel through the C04 to Xt90 interface for charging.

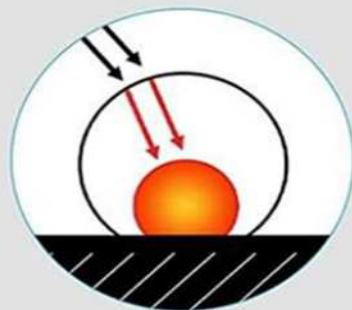


E-BOX uses leading bi - directional inverter technology, supports up to 300W efficient charging, and is expected to take 3.5 hours to fully charge 1kWh battery cell.

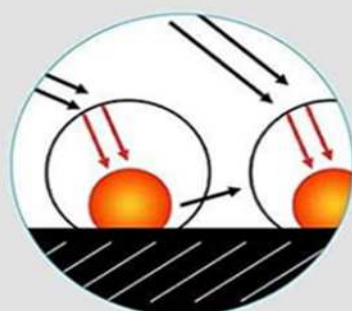


# PV+grid charging

## Exceptional sunlight capture



The transparent points on the surface can collect sunlight from different angles, and this unique feature can fully utilize sunlight, improving the solar energy conversion rate.



Points distributed in a matrix can cause refraction, making use of sunlight twice to improve the conversion rate.

The panel with a light transmittance of 95% has a thickness of 2.5mm. It is convenient to carry and easy to install flexibly.

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| size:                                   | 1050X1050X3mm                                            |
| PM:                                     | 200W Vmp:18V                                             |
| Voc:                                    | 21.6V                                                    |
| Imp:                                    | 11000mA                                                  |
| Isc:                                    | 12200mA                                                  |
| Test standard:                          | AM1.5 1000W/m <sup>2</sup> m 25°C Halogen lamp 38000 lux |
| The tolerance of power parameters is 5% |                                                          |



# PV+grid charging

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Lightweight, flexible, and easy-to-install photovoltaic modules, suitable for various scenarios.



# Safe LFP battery cell

Lithium iron phosphate batteries are safe and durable, capable of over 4000 cycles, Even if charged daily, they can provide a service life of about 10 years.

**6000** CYCLES  
CHARGE IN CYCLE



**10YEARS**  
LONG LIFE SPAN

**SECURITY**  
BMS IS FULLY PROTECTED

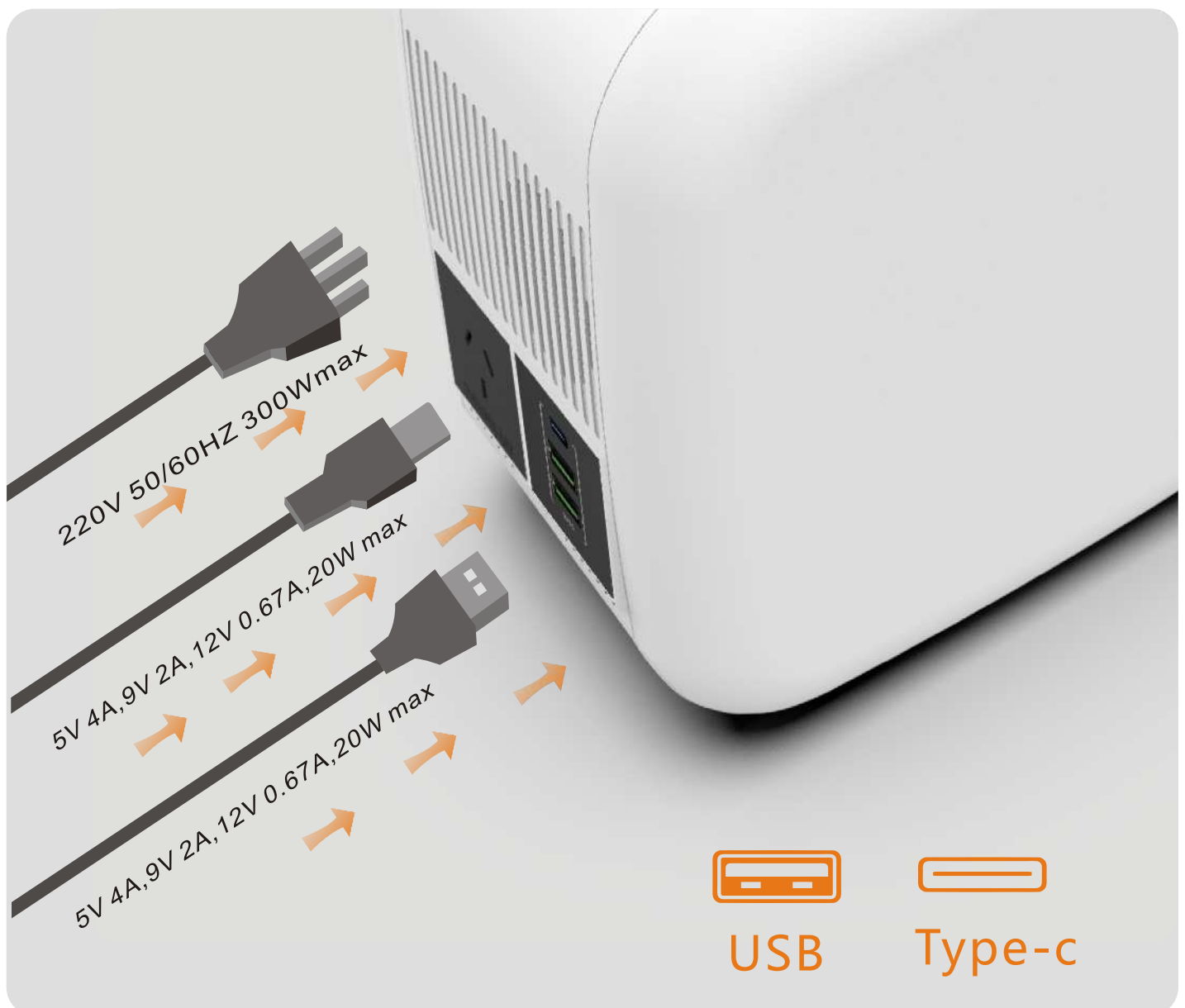
A single battery cell has a large capacity of 1KWH, which eliminates the complex BMS and assembly processes, saves costs and improves the cost - effectiveness.

# Multi-interface design

## multi-scenario use

E-BOX is equipped with 1 AC port, 2 USB-A ports, and 1 USB Type-C port, supporting simultaneous power supply for multiple AC and DC devices.

**AC outlet can be different type for different market**



## Real power output Long battery life

B-BOX supports stable output of 300 W power until the battery is exhausted. The peak power output reaches 600 W (for 0.2s) 1KWH large capacity, full - power continuous discharge can reach 3 hours, greatly extending the lighting time at night.

# 3H

Discharge time

**300W**

Output Power

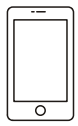
**600W**

Peak Power

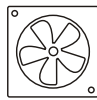


# Large capacity easily powering multiple devices

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Phone



Electric Fan



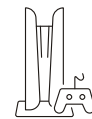
Smart watch



Drone



Laptop



Ps5



Camera



Camera



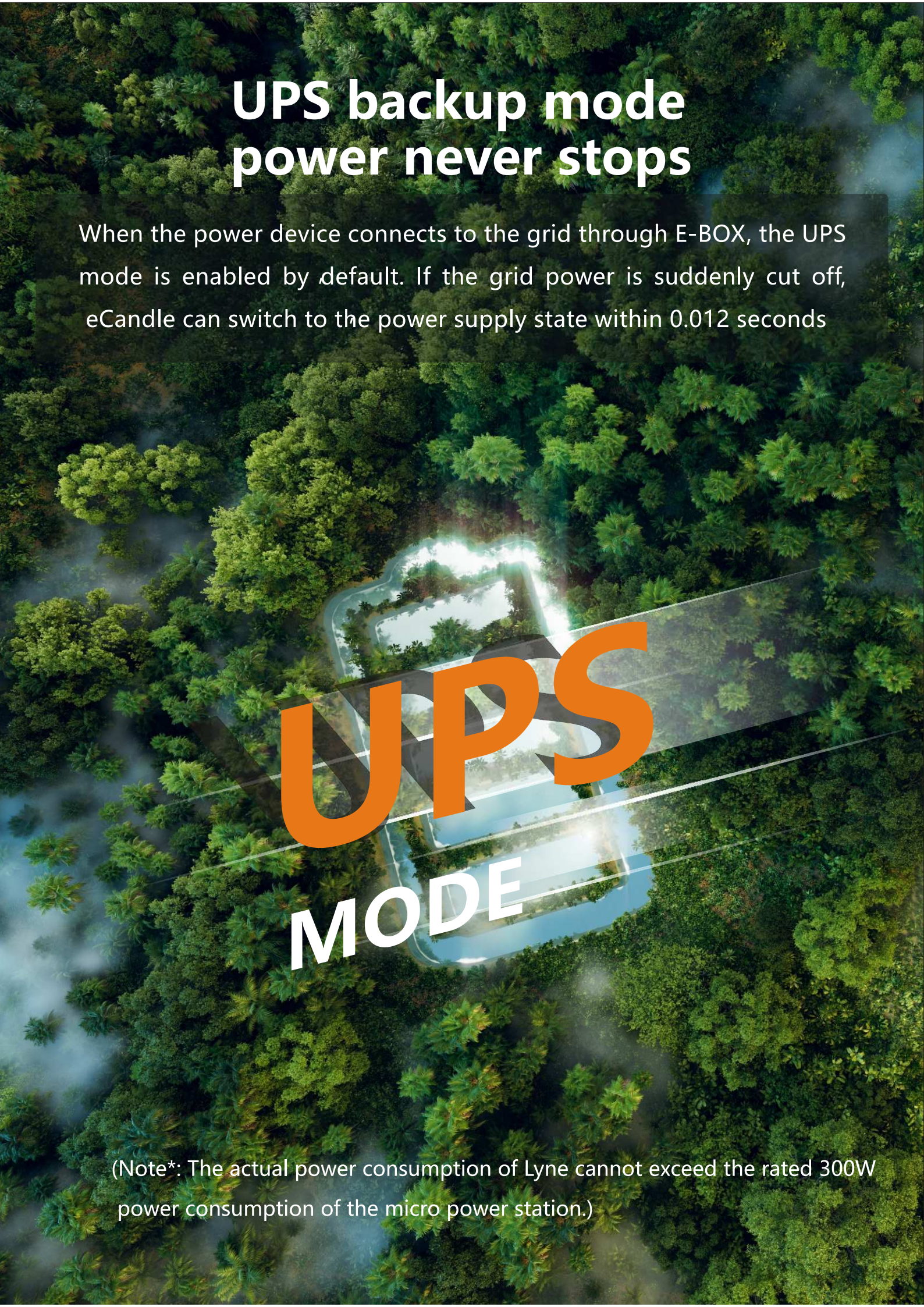
Router

**Note:** The total continuous operating power of all loaded equipment does not exceed **300W**, and the peak power does not exceed **600W**.



# UPS backup mode power never stops

When the power device connects to the grid through E-BOX, the UPS mode is enabled by default. If the grid power is suddenly cut off, eCandle can switch to the power supply state within 0.012 seconds

An aerial photograph of a lush tropical island with dense green vegetation and a winding swimming pool. A large, semi-transparent rectangular box is overlaid on the center of the image, containing the text 'UPS' in large orange letters and 'MODE' in white letters below it.

# UPS MODE

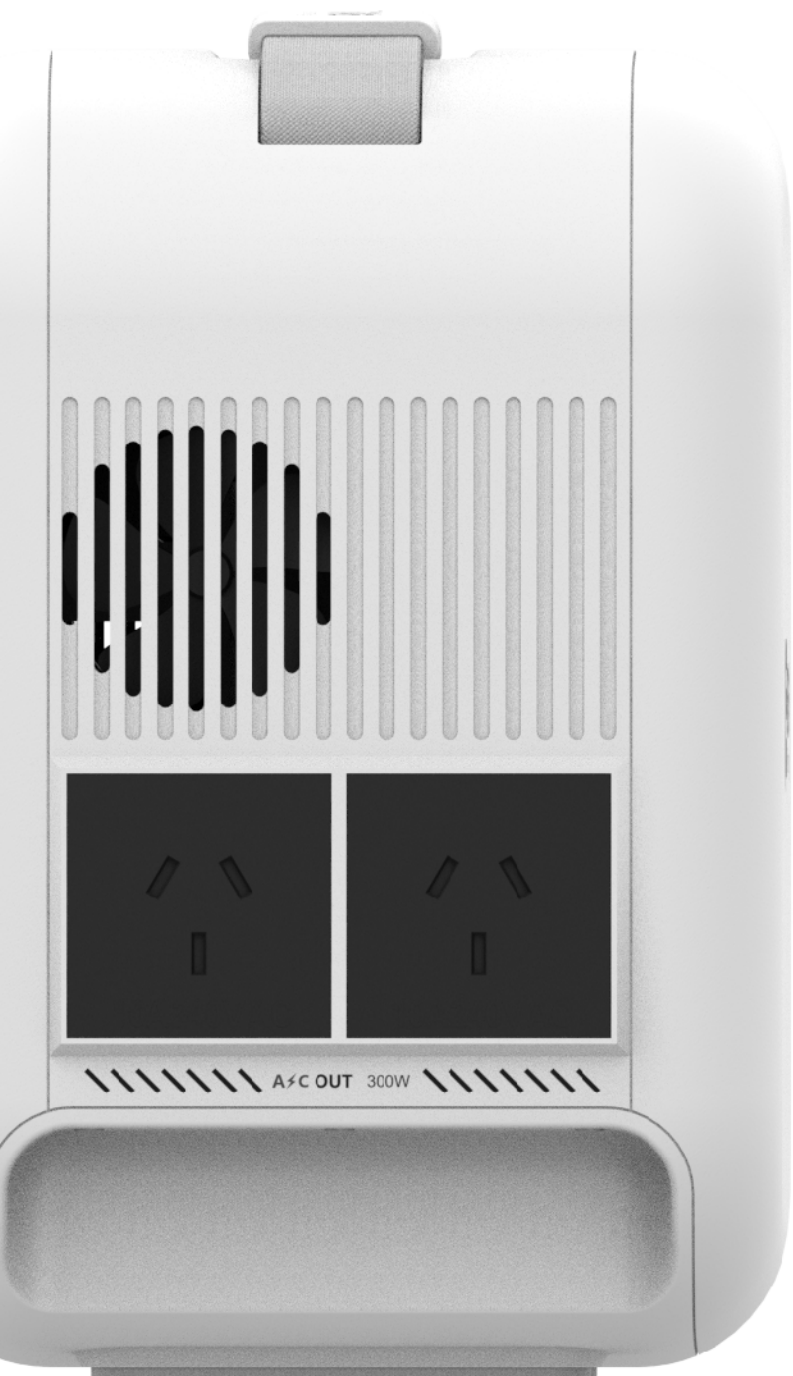
(Note\*: The actual power consumption of Lyne cannot exceed the rated 300W power consumption of the micro power station.)



# Multiple protection ensuring safe use

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At all times, safety comes first.,E-BOX adopts comprehensive safety design and has passed international safety testing standards, ensuring worry - free electricity usage.



Two-level battery  
management



Reliable electricity



All-round protection



Intelligent safeguard

# Core inverter technology

## efficient energy conversion

Highly integrated power technology, single inverter board integrates battery charging function, inverter output, bypass load, MPPT, and built-in intelligent management system for safe operation..

## Highly integrated digital inverter



Charger



Inverter

MPPT

BMS



# Technical Parameter

|                        |                                                                                    |      |
|------------------------|------------------------------------------------------------------------------------|------|
| Model                  | E-BOX                                                                              |      |
| Battery Cell           | 1* battery cell LiFePO4                                                            |      |
| Battery Capacity       | 280Ah or 314Ah                                                                     |      |
| Battery Energy         | 896Wh or 1004wh                                                                    |      |
| Input Specifications   |                                                                                    |      |
| AC input voltage       | 220V                                                                               | 110V |
| AC input power         | 300W                                                                               |      |
| AC input frequency     | 45-65Hz                                                                            |      |
| PV input voltage range | 12-60V                                                                             |      |
| PV input maximum power | 200W                                                                               |      |
| PV input efficiency    | 88%                                                                                |      |
| Output Specifications  |                                                                                    |      |
| AC output voltage      | 220V                                                                               | 110V |
| AC output power        | 300W                                                                               |      |
| AC output frequency    | 50/60Hz                                                                            |      |
| AC output efficiency   | 85%                                                                                |      |
| Output waveform        | Pure sine wave                                                                     |      |
| AC output peak power   | 600W                                                                               |      |
| Bypass model           | Available                                                                          |      |
| UPS model              | UPS class switch time:<12ms                                                        |      |
| DC output voltage      | 3.2V                                                                               |      |
| Features               |                                                                                    |      |
| Trickle Charge         | Available                                                                          |      |
| Cooling Style          | fan forced-cooling                                                                 |      |
| Protection             | OLP, OVP, OCP, OTP, LVP                                                            |      |
| Interface              |                                                                                    |      |
| USB output port        | 2 * USB Type A port, 5V/9V/12V, 20W max<br>1 * USB Type C port, 5V/9V/12V, 20W max |      |
| AC output port         | 1 * AC port, 300W max                                                              |      |
| PV input port          | 1 * XT60 port 12-60V, 200W max                                                     |      |
| AC input port          | 1 * C14 AC inlet port                                                              |      |
| Battery SOC indicator  | 4 LEDs ●●●●                                                                        |      |