

Ucanpower, Bring Energy to Life!

**CAN** POWER

# UFox Off-Grid Energy Storage System

UFox series is an off-grid energy storage system, which can connect solar panel, grid (or generator) and load.

It has built-in LFP battery, off-grid inverter and battery management system (BMS).

It has multiple work modes to meet lots of application scenarios, and reduce the electricity bill, store the energy for emergency back-up.



## Advanced Design

- All in one design, compact and elegant appearance.
- Easy to install and move.
- Both PV and grid charge, fast and convenient.
- Peak-shaving mode, reduce the electricity bill.



## High Reliability

- Integrate Max. 5.12kWh battery, long time power supply.
- LFP battery cell technology, safe than ever.
- Multiple protections, safe and reliable.



## User-Friendly

- Multi-purpose AC outlet, easy to use.
- Multiple work modes, meet lots of scenarios.



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| Model                          | UFox-Mini-30E                              | UFox-Plus-30E          | UFox-Plus-35E                              | UFox-Plus-50E         |
|--------------------------------|--|------------------------|--|-----------------------|
| <b>Battery</b>                 |  |                        |  |                       |
| Rated voltage                  | 51.2V                                      |                        | 51.2V                                      |                       |
| Voltage range                  | 44.8~57.6V                                 |                        | 44.8~57.6V                                 |                       |
| Capacity                       | 3.43kWh                                    | 5.12kWh                | 5.12kWh                                    | 5.12kWh               |
| Max. discharge rate            | 1C   |                        | 1C   |                       |
| Max. charge rate               | 1C   |                        | 1C   |                       |
| Battery type                   | Li-ion (LFP)                               |                        | Li-ion (LFP)                               |                       |
| <b>AC Output(Backup)</b>       |  |                        |  |                       |
| Rated power                    | 3000W                                      | 3000W                  | 3500W                                      | 5000W                 |
| Surge power                    | 6000W,5s                                   | 6000W,5s               | 7000W,5s                                   | 10000W,5s             |
| Rated output voltage           | 220/230/240V                               |                        | 220/230/240V                               |                       |
| Max. output current            | 13.7A                                      | 13.7A                  | 16A  | 22.7A                 |
| Rated frequency                | 50/60Hz                                    |                        | 50/60Hz                                    |                       |
| THDv                           | < 3%                                       |                        | < 3%                                       |                       |
| Output wave                    | Pure Sine Wave                             |                        | Pure Sine Wave                             |                       |
| Output type                    | AC Socket×2+Terminals                      |                        | AC Socket×2+Terminals                      |                       |
| <b>AC Input</b>                |  |                        |  |                       |
| AC input voltage range         | 170~280V                                   |                        | 170~280V                                   |                       |
| AC input frequency             | 50/60Hz                                    |                        | 50/60Hz                                    |                       |
| AC charge current(Battery)     | 15A(10/15A Adjustable)                     | 15A(10/15A Adjustable) | 30A(0~60A Adjustable)                      | 30A(0~80A Adjustable) |
| <b>PV Input</b>                |  |                        |  |                       |
| Max. PV power(Recommended)     | 1800W                                      |                        | 4500W                                      | 6000W                 |
| Max. PV voltage                | 145V                                       |                        | 450V                                       |                       |
| MPPT voltage range             | 60~115V                                    |                        | 120~430V                                   |                       |
| Max PV charge current(Battery) | 30A  |                        | 80A  | 100A                  |
| <b>General Data</b>            |  |                        |  |                       |
| Operating temperature          | 0°C~50°C (Charge) / -10°C~50°C (Discharge) |                        | 0°C~50°C (Charge) / -10°C~50°C (Discharge) |                       |
| Storage temperature            | -15°C~60°C                                 |                        | -15°C~60°C                                 |                       |
| Humidity                       | 5%~95%                                     |                        | 5%~95%                                     |                       |
| Cooling strategy               | Fan  |                        | Fan  |                       |
| Weight                         | 48kg                                       | 64.6kg                 | 67.6kg                                     | 67.6kg                |
| Dimension [W x H x D]          | 524.5*540.5*200mm                          | 585*611*230mm          | 585*611*230mm                              | 585*611*230mm         |
| Enclosure protection rating    | IP20                                       |                        | IP20                                       |                       |
| Communication                  | WiFi/RS485                                 |                        | WiFi/RS485                                 |                       |
| Certificate                    | CE,UN38.3,TUV mark                         |                        | CE,UN38.3,TUV mark                         |                       |

Information may be subject to change without notice during product improving.