



# EnerFox-US Off-Grid Energy Storage System

EnerFox-US 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.



| Model                          | EnerFox-US                                 |
|--------------------------------|--------------------------------------------|
| <b>Battery</b>                 |                                            |
| Rated voltage                  | 51.2V                                      |
| Voltage range                  | 44.8~57.6V                                 |
| Capacity                       | 5.12kWh                                    |
| Max. discharge rate            | 1C                                         |
| Max. charge rate               | 1C                                         |
| Battery type                   | Li-ion (LFP)                               |
| <b>AC Output(Backup)</b>       |                                            |
| Rated power                    | 3000W                                      |
| Surge power                    | 6000W,5s                                   |
| Rated output voltage           | 100/110/120V                               |
| Max. output current            | 30A                                        |
| Rated frequency                | 50/60Hz                                    |
| THDv                           | < 3%                                       |
| Output wave                    | Pure Sine Wave                             |
| Output type                    | AC Socket×2+Terminals                      |
| <b>AC Input</b>                |                                            |
| AC input voltage range         | 65~140V                                    |
| AC input frequency             | 50/60Hz                                    |
| AC charge current(Battery)     | 30A(0~40A Adjustable)                      |
| <b>PV Input</b>                |                                            |
| Max. PV power(Recommended)     | 4000W                                      |
| Max. PV voltage                | 250V                                       |
| MPPT voltage range             | 120~245V                                   |
| Max PV charge current(Battery) | 80A                                        |
| <b>General Data</b>            |                                            |
| Operating temperature          | 0°C~50°C (Charge) / -10°C~50°C (Discharge) |
| Storage temperature            | -15°C~60°C                                 |
| Humidity                       | 5%~95%                                     |
| Cooling strategy               | Fan                                        |
| Weight                         | 67.6 kg                                    |
| Dimension [W x H x D]          | 585*611*230mm                              |
| Enclosure protection rating    | IP20                                       |
| Communication                  | WiFi/RS485                                 |