OPESS

Optimal Energy Storage Solution Provider

Obox

One-stop Home Energy Storage System

Solve the problem of unstable power supply and high energy costs, and light up your home

Minimalist
Intelligent
Profitable
Reliable

Obox is your first choice for home energy storage

High efficiency
high energy density design and high-voltage system access support

Flexible
customized capacity combinations to cover the range of 10-60 kWh

Convenient
lightweight body, plug and play, and mobile cloud management

Safety
LFP battery, covering multiple safety innovation PACK technology

Intelligent
unique algorithms to monitor the health of cell and ensure long-term service

Energy Storage System

Model	Obox
Battery module	OH-3250 (5 kwh, 50 Ah)
Cell type	$LiFePO_4$
Battery module quantity	2~12 (Max. 4S3P)
Nominal voltage (V)	205~410
Nominal output energy (kWh)	10 kWh~60 kWh
Voltage range (V)	166~460
Net weight (±1.0 kg)	134.5~807
Dimension (W*D*H,±2.0 mm)	695*235* (918~1554)
General	
Charging and discharging current (A)	25@continue (Recommended)
Max charging and discharging current (A)	50 A
Ingress protection (IP)	IP54
Cooling	Natural Cooling
Environment temperature (˚C)	Charge: 0-55, Discharge: -10~55
Operation humidity (RH)	5~95%
Altitude (m)	<2000
Mounting type	Floor-mounted
Warranty	10 years
BMS controller	CH-400-A
Weight (±1.0 kg)	8 kg
Communication Port	CAN/RS485
Dimension (W*D*H,±2.0 mm)	695*235*200 mm
Certificates and standards	
IEC62619, IEC60730, IEC62040, EN61000-6-1. EN61000-6-3, UN38.3	

About OPESS

OPESS provides international energy storage products and system integration solutions oriented towards the energy needs of end-users such as industrial, commercial and residential customers. With its excellent independent innovation and research and development capabilities, OPESS offers users comprehensive and reliable services throughout the entire cycle, including digital energy analysis, standardized solution design, intelligent system integration, standardized product installation, and unified acceptance and operation and maintenance, to meet the multi-dimensional energy needs of industrial, commercial, and residential energy storage scenarios.

Obox

Empowering Smart Energy