

6kW + 16kWh All-in-One ESS

Model: LU-AIO6-16

Overview

Integrated 6kW hybrid inverter + 16kWh LiFePO4 battery in one cabinet. Plug-and-play for off-grid and backup power. CE, UN38.3 certified. Factory direct wholesale.

Technical Specifications

Parameter	Value
Inverter Rating	6kW
Battery Capacity	16kWh
Output Voltage	220V AC
Battery Voltage	51.2V
Chemistry	LiFePO4
Switch-over Time	≤10ms
Cycle Life	≥6000 cycles
Monitoring	WiFi / App
Protection	IP20 (indoor)

Key Features

- Integrated inverter + battery in one cabinet
- 6kW pure sine wave inverter
- 16kWh LiFePO4 battery
- Plug-and-play, no external wiring needed
- Multi-mode operation (grid-tie, off-grid, UPS)
- WiFi remote monitoring via app
- 10ms seamless switchover
- Compact floor-standing design

Applications

Home solar + storage • Backup power • Remote off-grid • Small commercial

Certifications

CE Certified, UN38.3 Certified, RoHS Certified