

3.6kW + 7.68kWh All-in-One ESS

Model: LU-AIO3.6-7.68

Overview

Portable 3.6kW hybrid inverter + 7.68kWh LiFePO4 battery in one movable cabinet. 300Ah 25.6V pack, 5000W MPPT, 96% PV efficiency, 6000+ cycles. Factory direct wholesale.

Technical Specifications

Parameter	Value
Inverter Rating	3.6kW / 3.6KVA
Battery Capacity	7.68kWh (300Ah, 25.6V)
Output Voltage	220/230V AC $\pm$ 5%
Max PV Input	5000W (40-450VDC, 18A)
MPPT Charging Current	100A
Max AC Charging Current	100A
Output Waveform	Pure sine wave
Switch-over Time	10ms (PC) / 20ms (appliance)
Peak Efficiency (PV to INV)	96%
Cycle Life	6000 cycles @ $\geq$ 90% DOD
Protection	IP21 (indoor)
Dimensions	740 $\times$ 400 $\times$ 240 mm
Net Weight	65.75 kg

Key Features

- Integrated 3.6kW inverter + 7.68kWh LiFePO4 battery in one movable cabinet
- 300Ah / 25.6V (8S) LiFePO4 pack, 7.68kWh usable energy
- 5000W MPPT solar input, 40-450VDC range, 100A charging
- Pure sine wave output, 10ms switchover for computers
- Universal wheels for easy relocation between rooms or sites
- LCD display with real-time status
- IP21 protection, 6000 cycles at $\geq$ 90% DOD
- Lithium battery activation via PV or mains

Applications

Home solar + storage • Backup power • Remote off-grid • Outdoor / movable power

Certifications

UN38.3 Certified, CE Certified, MSDS Certified