Pion Power™

Power Shield 13.5kWh Battery

for Home and Small Business

Product Features

- 13.5kWh LiFePO4 battery for home backup and off-grid use.
- Meets UL standards for reliable safety and performance.
- IP65-rated metal enclosure supports outdoor installation.
- Designed to last over 10 years with one charge cycle per day.
- Stackable up to 7 units to meet growing energy needs.
- Works with solar panels to store clean energy and lower electricity bills.
- Built-in BMS with protection from overvoltage, short circuit, and overheating.
- Compatible with hybrid inverters and smart energy platforms for real-time monitoring.



Model	XESHES-U-48V 13.5kWh-A-H
Capacity	13.44kWh
Depth of Discharge	90% DOD
Nominal Voltage	48VDC
Voltage Range	40.5~53.25VDC
Max. Charging Voltage	53.25VDC
Continuous Discharging Current at 25°C	140A
Continuous Charging Current at 25°C	100A
Efficiency	>93%
Operating Environment	Outdoor
Operating Temperature Range	Charging: -20°C~40°C
	Discharging: -20°C~40°C
Dimension (L*W*H mm)	490*251.3*832mm
Weight	116±3%kg
Cooling Method	Natural Cooling
Enclosure Material	Metal
Installation Method	Floor fixing
Ingress Protection	IP65
Max. Number of Parallel Connections	7
Communication Mode	RS-232, RS-485, CAN
Protection Type	Overvoltage, Overcurrent, Overtemperature, Under Voltage, Short Circuit
Certifications	Certified by Intertek to UL 1673, UL 1642 (Cell), UL 1973 (Cell & Pack), UL 9540A (Cell), UN38.3 (Cell & Pack), IEC 62619 (Pack), IEC 62040 (Pack), CE/EMC (Pack)

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