WOLONG ESS

WL-ESS-1157kW-2315kWh-480V-UL

High Efficiency
- High energy density, high charge/discharge cycle efficiency
- 1500V DC high voltage system, high efficiency LFP battery

Safe and Reliable
- No parallel design, cluster-level isolation, multi-level linked protection
- Active ventilation, with deflagration panel

High Balance
- Accurate control of battery cell temperature, high consistency
- One rack with one PCS control, eliminate circulation between clusters

High Integration
- AC/DC integrated design & cabin design
- Standard design, easy to disassemble, transport, and install

Simplified Maintenance
- Modular design, plug-and-play
- Cluster level active balance, SOC automatic correction

System Model	WL-ESS-1157kW-2315kWh-480V-UL
DC Parameters	
Battery Cell Type	LFP/314Ah
Battery Configuration	6P384S
Battery Capacity at DC Side (BOL)	2,315kWh
Maximum P-Rate / Nominal Discharge Duration	0.5P / 2 Hours
Battery Rated Voltage	1228.8V
Battery Voltage Range	1,075~1,382V
Battery Cooling Method	Liquid Cooling
AC Parameters	
Rated Capacity	6×200kVA
PCS Cooling Method	Forced Air Cooling
Rated Voltage	690V
Voltage Range	-15%~10%
Max. Current Harmonic Distortion Rate	<3% (at nominal power)
Power Factor	-1~1
Rated Frequency	50/60Hz
PCS Compliance Standard	UL 1741, CSA 22.2 No.107.1-01, UL 1741-SB, IEEE 1547
Transformer Parameters	
Isolation Mode	Dry-type Transformer
Transformer Rated Power	1250kVA
Transformer Voltage Winding	0.69kV/0.48kV
General Parameters	
Container Size (W×D×H)	6,058×2,438×2,896mm (20×8×9.5ft)
Container Weight	28,000kg
IP Level	IP 54
Anti-Corrosion	Default: C4 Optional: C5
Operating Temperature	-25°C~50°C(>45°C de-rating) / -13°F ~ 122 °F (>113 °F de-rating)
Relative Humidity	5%~95%
Highest Working Altitude	3,000m
Fire Protection System	Default: Aerosol, Smoke, and Temperature Detector, Ventilation System with Flammable Gas Detector, Dry Pipe Fire Sprinkler Optional: Deflagration Panel
Communication Interface	Ethernet
Communication Protocol	Modbus TCP
Compliance Standard	UL9540A, UL9540, UL1973, NFPA 855, UN38.3

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Brochure

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