

# WOLONG ESS

## WL-ESS-4244kWh-1500V



### High Efficiency

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



### High Balance

- Accurate control of battery cell temperature, high consistency



### High Integration

- Modular and standard design, plug-and-play, easy to transport and install
- Intelligent and quick response



### Safe and Reliable





- Intelligent management, active control, multi-level linked protection
- Cluster-level isolation, no parallel design
- Active ventilation, fire and explosion protection design
- Intelligent fault diagnosis, SOC automatic correction, easy to maintain



### High Adaptability

- IP54 Protection, wind resistant, snow resistant, and earthquake resistant design
- Can operate in harsh environments such as high altitude, near the sea, high and low temperatures, etc



<b>System Model</b>	<b>WL-ESS-4244kWh-1500V</b>
<b>System Parameters</b>	
Battery Cell Type	LFP/314Ah
Battery Configuration	11P384S
Battery Capacity at DC Side (BOL)	4,244kWh
Maximum P-Rate / Discharge Duration	0.5P / 2 Hours - 4 Hours
Battery Rated Voltage	1,228.8V
Voltage Range	1,075.2~1,382.4V
Container Size (W×D×H)	6,058×2,438×2,896mm (20×8×9.5ft)
Container Weight	35,000kg
Container Colour	RAL 7035
IP Level	IP 54
Anti-Corrosion	Default: C4 Optional: C5
Operating Temperature Range	-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
Temperature Control Method	Liquid Cooling
Fire Suppression 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, IEC 61850, IEC 104
Compliance Standard	    <b>UN38.3</b> UL9540A    UL9540    UL1973    NFPA 855    UN38.3

