

# WOLONG ESS

## WL-ESS-1543kW-3086kWh-690V-IEC



### 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
- One rack with one PCS control, eliminate circulation between clusters



### Simplified Maintenance

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



### Safe and Reliable





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



### High Integration

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



System Model	WL-ESS-1543kW-3086kWh-690V-IEC
DC Parameters	
Battery Cell Type	LFP/314Ah
Battery Configuration	8P384S
Battery Capacity at DC Side (BOL)	3,086kWh
Maximum P-Rate / Nominal Discharge Duration	0.5P / 2 Hours
Battery Rated Voltage	1,228.8V
Battery Voltage Range	1,075~1,382V
Battery Cooling Method	Liquid Cooling
AC Parameters	
Rated Capacity	8×200kVA
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	IEC62477-1, IEC61000-6-2&4, EN50549-1&2
General Parameters	
Container Size (W×D×H)	6,058×2,438×2,896mm
Container Weight	32,000kg
IP Level	IP 54
Anti-Corrosion	Default: C4 Optional: C5
Operating Temperature	-25°C~50°C(>45°C 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	<div>  IEC 62619  IEC 61000-6-2&amp;4  IEC 62477-1  UN38.3 </div>

