

WOLONG ESS

Utility-Scale ESS



Safe and Reliable

- No parallel design, cluster-level isolation, multi-level linked protection
- Active ventilation, explosion-proof pressure relief



High Integration

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



Simplified Maintenance

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



High Balance

- Precision control of temperature difference
- One-to-one control, eliminating inter-cluster circulation
- Mitigating the weak link effect



System Model	WL-ESS-1543kw/3086kWh-0.69kV
DC Parameters	
Battery Cell Type	LFP/314Ah
Battery Configuration	8P384S
Battery Capacity at DC Side (BOL)	3086kWh
Rated Voltage	1228.8V
AC Parameters	
Rated Capacity	1543kVA
PCS Module Quantity	8
Rated Voltage	AC 690V
Voltage Range	-15%~10%
Max. Current Harmonic Distortion Rate	< 3% (at nominal power)
Power Factor	-1~1
Rated Frequency	50/60Hz
General Parameters	
Battery and PCS Container Size (W*H*D)*	6058*2896*2438mm
Battery and PCS Container Weight*	32,000kg
IP Level	IP54
Operating Temperature	-20°C~50°C(> 45°Cderating)
Relative Humidity	5%~95%
Highest Working Altitude	2000m
Battery Temperature Control Method	Liquid cooling
PCS Cooling Method	Forced air cooling
Fire Protection System	Aerosol, smoke and temperature detector
Communication Interface	Ethernet
Communication Protocol	ModbusTCP
Compliance Standard	IEC62619, IEC62933-5-2, UN38.3

*Subject to actual delivery