



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 (IEC)	WL-ESS-1543kw/3086kWh-0.69kV (UL)
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	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°C derating)	
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	UL1741, IEEE1547:2018, UL1973, UL9540A

*Subject to actual delivery