

WOLONG ESS

WL-ESS-135kW/282kWh-0.48kV



Cost Savings

- Highly integrated, all-in-one design, easy to transport and maintain
- Fully pre-assembled, no battery module installation on site
- Support parallel connection of multiple devices, reduce footprint



Efficient thermal management system

- Cold and hot partition, low energy consumption, intelligent constant temperature



Safe and Reliable




- No battery parallel design
- Multi-level linked protection, cut off the circulation circuit
- Intelligent fire suppression system, more reliable emergency response



Intelligent Management

- Support remote and local control, on-grid/off-grid mode
- Operating status and fault information upload, easy to maintain



System Model	WL-ESS-135kW/282kWh-0.48kV
Battery Parameters	
Battery Cell Type	LFP/306Ah
Battery Configuration	1P288S
Battery Capacity at DC Side (BOL)	282kWh
Maximum P-Rate / Nominal Discharge Duration	0.5P / 2 Hours
Battery Rated Voltage	921V
Battery Voltage Range	806V~1,000V
Battery Cooling Method	Liquid Cooling
AC Parameters	
Rated Power	135kW
Rated Voltage	480V±10%
Rated Frequency	60Hz
Power Factor	-1~1
Max.THD of Current	<3% (at nominal power)
PCS Compliance Standard	UL 1741, CSA 22.2 No.107.1-01, UL 1741-SB, IEEE 1547
General Parameters	
Topology	Transformerless
Size(W×H×D)	1,350×2,400×1,350mm (4.43×7.87×4.43 ft)
Weight	3,000kg
IP Level	IP 55 (Excluded PCS and Chiller)
Auxiliary Power Supply	Default: Internal Power Supply Optional: External with 480Vac
Anti-Corrosion	Default: C4 Optional: C5
Fire Protection System	Default: Aerosol, Smoke and Temperature Detector, Deflagration Panel Optional: Ventilation System with Flammable Gas Detector
Operating Temperature	-20°C ~ 50 °C (> 45 °C de-rating) /-4 °F ~ 122 °F (> 113 °F de-rating)
Max. Operating Altitude	3,000m
Communication Protocol	Modbus TCP
Communication Interface	Ethernet
Compliance Standard	   FCC part15B UN38.3 UL1973 UL9540A UL 9540:2020 FCC part15B UN38.3

