




WL-ESS-135kW/289kWh-0.48kV

 **High Efficiency & High Voltage, High Density**

 **Multi-Level Protection, Smart Thermal Control**

 **High Integration & Pre-Assembly, Plug-and-Play**

 **Cloud-Edge Collaboration, Real Time Monitoring**

System Model	WL-ESS-135kW/289kWh-0.48kV
Battery Parameters	
Battery Cell Type	LFP/314Ah
Battery Configuration	1P288S
Battery Capacity at DC Side (BOL)	289kWh
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 Standard Compliance	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
Weight	3,000kg
IP Level	IP 55 for Battery Room IP65 for PCS, IP54 for 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 Gas Detector
Operating Temperature	-20°C~50°C(>45°C derating)
Max. Operating Altitude	3,000m
Communication Protocol	Modbus TCP
Communication Interface	Ethernet
Standard Compliance	UL 1973, UL 9540A, UL 9540:2023, FCC part15B, UN 38.3 NFPA68,NFPA69

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