

WOLONG ESS

WL-ESS-100kW/241kWh-0.4kV



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-100kW/241kWh-0.4kV
Battery Parameters	
Battery Cell Type	LFP/314Ah
Battery Configuration	1P240S
Battery Capacity at DC Side (BOL)	241kWh
Maximum P-Rate / Nominal Discharge Duration	0.5P / 2 Hours
Battery Rated Voltage	768V
Battery Voltage Range	672V~864V
Battery Cooling Method	Liquid Cooling
AC Parameters	
Rated Power	100kW
Rated Voltage	400V±10%
Rated Frequency	50/60Hz
Power Factor	-1~1
Max. THD of Current	<3% (at nominal power)
PCS Compliance Standard	IEC 62477-1, IEC 61000-6-2&4, C10/11, PPDS Annex 4, TR 3.3.1, VDE-AR-N 4105, RENBLAD 342, PTPIREE, EIFS, PEA
General Parameters	
Topology	Transformerless
Size(W×H×D)	1350x2300x1350mm
Weight	2650kg
IP Level	IP 55 (Excluded PCS and Chiller)
Auxiliary Power Supply	Default: Internal Power Supply Optional: External with 220Vac
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)
Max. Operating Altitude	3,000m
Communication Protocol	Modbus TCP
Communication Interface	Ethernet
Compliance Standard	 IEC 62619  IEC 61000-6-2&4  IEC 62477-1  UN38.3

