



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

 **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**

<b>System Model</b>	<b>WL-ESS-100kW/241kWh-0.4kV</b>
<b>Battery Parameters</b>	
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
<b>AC Parameters</b>	
Rated Power	100kW
Rated Voltage	400V±10%
Rated Frequency	50/60Hz
Power Factor	-1~1
Max.TH.D of Current	<3% (at nominal power)
PCS Standard Compliance	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
<b>General Parameters</b>	
Topology	Transformerless
Size(W×H×D)	1,350×2,300×1,350mm
Weight	2,650kg
IP Level	IP 55 for Battery Room IP65 for PCS, IP54 for 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 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	IEC 62477-1, IEC 61000-6-2&4, IEC 62619, UN 38.3

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