

Outdoor Liquid Cooled On-grid ESS Cabinet Specification

DZ105233L3/DZ125261L7



High-efficiency Lithium Iron Phosphate (LFP) Battery

280Ah large-capacity cells, with an 8000-cycle long lifespan, ensuring a durable and stable power supply.



Advanced Liquid Cooling System

Effectively reduces the temperature of the battery, enhancing its performance and lifespan.



Compact Energy Storage Equipment

Requires minimal space, easy to deploy, and suitable for various spatial environments.



Technical specifications

Model	DZ105233L3	DZ125261L7
DC side		
Battery rated capacity	233kWh	261kWh
Battery rated voltage	832V	
Battery voltage range	780V - 936V	
Battery type	LFP	
Cell capacity	280Ah	314Ah
Battery life cycle	8000 cycles (0.5P, 5%~95%DOD, 70%SOH)	
Standard charge/discharge rate	0.5P	
Pack Configuration	1P260S	
Module Cooling Method	Liquid-cooling	
AC side		
Rated AC power	105kW	125kW
Maximum power	116kW	138kW
Maximum current	167A	200A
Rated AC voltage	230V/400V	
Voltage range	±15%	
Output wiring	3P/N	
Rated AC frequency	50/60Hz	
Current harmonic distortion THDI	< 3% (rated power)	
Power factor	≥0.99/-1~1	
Overload capacity	110%	
Maximum efficiency	98.5%	
PCS Cooling Method	Air-cooling	
System Parameter		
Energy cycle efficiency	≥90%	
Protection rating	IP54	
Corrosion resistance rating	C3, (C4/C5 optional)	
Fire protection	Aerosol/Perfluoro (Optional)	
Isolation method	Non-isolation (transformer optional)	
Relative humidity	0~95% (no condensation)	
Ambient temperature	-30°C~55°C (≥45°C derating)	
Altitude	<2000m (≥1000m derating)	
BMS communication	CAN2.0b	
EMS communication	4G/CAN/RS485	
Dimension (W*D*H)	1050 * 1330 * 2400	
Weight	2.4t	2.5t
Annual degradation rate	<3%	
Warranty	5 years	