

# Outdoor Liquid Cooled On-grid ESS Cabinet Specification

## DZ215418L8



High-efficiency Lithium Iron Phosphate (LFP) Battery

314Ah 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	DZ215418L8
DC side	
Battery rated capacity	418kWh
Battery rated voltage	1331.2V
Battery voltage range	1164.8V - 1497.6V
Battery type	LFP
Cell capacity	314Ah
Battery life cycle	8000 cycles (0.5P, 5%~95%DOD, 70%SOH)
Standard charge/discharge rate	0.5P
Pack Configuration	1P416S
Module Cooling Method	Liquid-cooling
AC side	
Rated AC power	215kW
Maximum power	237kW
Rated AC voltage	690V
Voltage range	-15%~10%
Output wiring	3P
Rated AC frequency	50/60Hz
Current harmonic distortion THDI	< 3% (rated power )
Power factor	≥0.99/-1~1
Overload capacity	110%
Maximum efficiency	99%
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)	1300 *1350 *2350 mm
Weight	4.5t
Annual degradation rate	<3%
Warranty	5 years