

Outdoor Air-cooled On-grid ESS Cabinet Specification

DZ105215B



High-efficiency Lithium Iron Phosphate (LFP) Battery

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



Intelligent air 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	DZ105215B
DC side	
Battery rated capacity	215kWh
Battery rated voltage	768V
Battery voltage range	720V - 864V
Battery type	LFP
Cell capacity	280Ah
Battery life cycle	8000 cycles (0.5P, 5%-95%DOD, 70%SOH)
Standard charge/discharge rate	0.5P
Pack Configuration	1P240S
Module Cooling Method	Air-cooling
AC side	
Rated AC power	105kW
Maximum power	116kW
Maximum current	167A
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	≥88%
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)	1310 * 995 * 2040mm
Weight	2.4t
Annual degradation rate	<3%
Warranty	5 years