

Outdoor Liquid Cooled PV-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.



Advanced liquid cooling system
Effectively reduces battery temperature, enhancing battery performance and lifespan.



Customizable for multiple scenarios
Optional photovoltaic (PV) DC-DC converters and rapid STS (Static Transfer Switch) for flexible adaptation to various needs.



Technical specifications

Model	DZ105215B
DC side	
Rated Battery Capacity	215kWh
Rated Battery Voltage	768V
Battery Voltage Range	720V~864V
Battery Type	LFP
Cell Capacity	280Ah
Battery Lifespan	8000cycles (0.5P,5%~95%DOD,70%SOH)
Standard Charge/Discharge Current	0.5P
Series-Parallel Connection Method	1P240S
Module Cooling Method	Air-cooled
AC Side	
Rated AC Power	105kW
Maximum power	116kW
Maximum current	167A
Rated AC Voltage	400V
Voltage Range	±15%
Rated AC Frequency	50/60Hz
Connection method	3P/N
Current harmonic distortion THDI	< 3% (rated power)
Power Factor	≥0.99/-1~1
Overload capacity	110%
PCS cooling method	98.5%
System Parameter	
Maximum Efficiency	≥88%
Energy Cycle Efficiency	IP54
Protection Level	C3 by default, C4/C5 optional
Corrosion Protection Level	Aerosol
Fire protection	Non-isolation (transformer optional)
Isolation Method	0~95% (No condensation)
Relative Humidity	-30°C~55°C(derating above 45°C)
Operating Temperature	<2000m (≥1000m derating)
Altitude	CAN2.0b
BMS Communication	4G/CAN/RS485
EMS Communication	1850*1250*2280 mm
Dimensions (W*D*H)	3t
Weight (Approx.)	<3%
Annual Degradation Rate,	5 years
PV DCDC(optional)	
Maximum input module power	100kW
MPPT voltage range	250~650V
PV maximum PVinput current	100A(single channel)
MPPT channel number	2
STS (optional)	
Grid side power	200kW
Grid side maximum current	289A
AC/DC side power	100kW
Critical load side power	100kW
Switching time	≤20ms