

Outdoor Liquid Cooled PV-ESS Cabinet Specification DZ105233L2PRO



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	DZ105233L2PRO
DC side	
Battery rated capacity	233kWh
Battery rated voltage	832V
Battery voltage range	780V - 936V
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	1P260S
Module Cooling Method	Liquid-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	≥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)	1692mm*1385mm*2000mm
Weight	3.0t
Annual degradation rate	<3%
Warranty	5 years
Number of off-grid parallel machines	≤5
PV DCDC (Optional)	
Maximum input module power	100kW
MPPT voltage range	300V-650V
PV maximum PV input 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