

# Outdoor Liquid Cooled On-grid ESS Cabinet Specification DZ125261L2



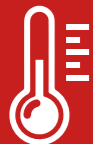
High-efficiency Lithium Iron Phosphate (LFP) Battery

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



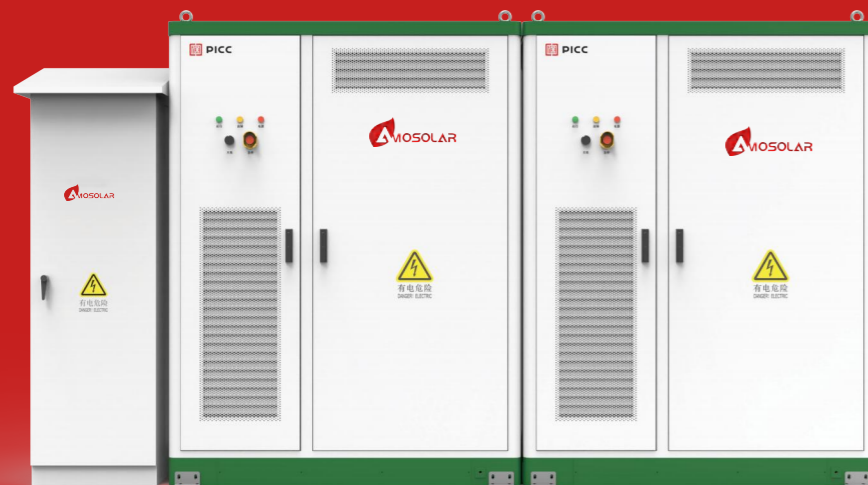
Advanced Liquid Cooling System

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



Compact Energy Storage Equipment

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



## Technical specifications

Model	DZ125261L2
<b>DC side</b>	
Rated Battery Capacity	261kWh
Rated Battery Voltage	832V
Battery Voltage Range	780V~936V
Battery Type	LFP
Cell Capacity	314Ah
Battery Lifespan	8000cycles (0.5P,5%~95%DOD,70%SOH)
Standard Charge/Discharge Current	0.5P
Series-Parallel Connection Method	1P260S
Module Cooling Method	Liquid-cooling
<b>AC Side</b>	
Rated AC Power	125kW
Maximum power	138kW
Maximum current	200A
Rated AC Voltage	230/400V
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	Air-cooled
Maximum Efficiency	98.5%
<b>System Parameter</b>	
Maximum Efficiency	≥90%
Energy Cycle Efficiency	IP54
Protection Level	C3 by default, C4/C5 optional
Corrosion Protection Level	Aerosol / Perfluorohexanone (optional)
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	1692*1385*2220 mm
Dimensions (W*D*H)	3.0t
Weight (Approx.)	<3%
Annual Degradation Rate,	5 years
<b>PV DCDC(optional)</b>	
Maximum input module power	100kW
MPPT voltage range	300- 650V
PV maximum PVinput current	100A (single channel)
MPPT channel number	2
<b>STS (optional)</b>	
Grid side power	200kW
Grid side maximum current	289A
AC/DC side power	100kW
Critical load side power	100kW
Switching time	≤20ms