

ESC SERIES · ESC-R125-261-CE

Industrial and Commercial Energy Storage

All-in-one design · High integration · High energy density
For capacity expansion, data centers, parks, commercial buildings and charging stations

All-in-one
Compact cabinet
Highly integrated

IP Protection
PACK IP67
Cabinet IP55

Liquid Cooling
Intelligent
temperature control

Remote O&M
Monitoring
Fault analysis

Product Strengths

Safe and Reliable

- Long cycle battery; battery pack IP67
- Cabinet unit IP55; fire resistant 1.5h
- Multi-level electrical control; pack-level fire protection

Intelligent and Efficient

- Self-developed EMU for real-time detection and management
- Liquid-cooled battery pack with intelligent temperature control
- Fast response and black start support

Flexible Deployment

- Modular, highly integrated design; small footprint
- Plug and play; supports multi-machine parallel expansion
- Forklift / lifting transfer for flexible deployment

Remote Operation & Maintenance

- Cloud-side coordination; remote monitoring and early warning
- Remote fault analysis and efficient processing
- Remote software upgrade to reduce O&M

Model	ESC-R125-261-CE
Cell Type	LFP-314Ah
Grouping Mode	1P52S*5
Charge/Discharge Rate	0.5P@25°C
Nominal Energy (kWh)	261
Voltage Range (V)	728-936
AC Side	
AC Voltage (V)	400 (-15%~15%)
Rated Power (kW)	125
PCS Maximum Efficiency (%)	99
Total Harmonic Distortion Ratio (%)	<3
System Parameters	
Work Temp Range (°C)	-30~50 (>45°C derating)
Work Humidity Range (%)	5~95
Cooling Mode	Liquid-cooled
Altitude (m)	≤3000 (>2000 derating)
Maximum System Efficiency (%)	90
System Cycle Life	>8000, 0.5c@25°C, 90%DOD
Fire Suppression System	Aerosol FSS
Ingress Protection	IP55
Communication Port	RS485, Ethernet*2
Communication Protocol	Modbus/MQTT
Certification	GB/T36276, IEC62619, IEC62477, IEC61000, UN38.3
Dimension (W*D*H) mm	1120*1350*2420 mm
Weight (T)	2.6