



>>> Advantages of Products

Industrial and commercial energy storage All-in-one machine series products include: ESC-R125-261-CE, the series adopts all-in-one design, high integration, high energy density. It is widely used in many scenarios such as capacity expansion, industrial and commercial enterprises, data centers, park energy storage, commercial buildings, large industries, charging stations and so on.



Safe and Reliable

- Long cycle energy storage battery, battery pack IP67
- Cabinet unit design, IP55, fire resistant 1.5h
- Multi-level electrical control, support singlepack level fire protection



Intelligent and Efficient

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



Flexible Deployment

- Modular, highly integrated design, small footprint
- Plug and play, support multi-machine parallel, easy to expand
- Can fork can lift, transfer flexible



Remote Operation & Maintenance

- Cloud-side coordination, remote monitoring and early warning
- Remote fault analysis and efficient processing
- Supports 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*2420mm
Weight (T)		2.6
Standards & Certification		
UL		UL9540A (pack)

* Support for Extended Integration; 05P522 product is on-going