

ES series DC energy storage converter



Product Features

- DC side access, reducing conversion links, improving system efficiency, and reducing system costs
- Modular parallel technology combined with intelligent sleep technology to achieve efficient energy storage transformation
- Supports all manufacturer battery packs to reduce battery usage costs
- Use a new generation of power devices to improve conversion efficiency
- Complete protection measures, with active fault monitoring and protection capabilities
- The faulty module is automatically separated from the technology, reducing the system maintenance time



Modular design



Bidirectional



Intelligent protection

Technical Parameters

Model	ES-0125	ES-0250
Electrical characteristics		
Maximum input voltage	1000V	1000V
Operating voltage range	0~950V	0~950V
Voltage range at full load	570~850V	570~850V
Rated power	125kW	250kW
Rated charge and discharge current	200A	2×200A
Maximum charge and discharge current	220A	2×220A
System characteristics		
Isolation method	Transformer less	
Maximum efficiency	99.15%	
Protection level	IP20 (IP21 optional)	
Working temperature	-30~+55°C	
Allowable humidity range	0~95% (No condensation)	
Altitude at full load	3000m	
Cooling method	Temperature control forced air cooling	
Communication Interface	RS485/CAN/Ethernet	
Mechanical parameters		
Dimensions (width/height/depth)	600×2150×700mm	
Weight	170kg	230kg

A Circuit block diagram

