



C&I Energy Storage System


EAESS135K-261/522kWh


All-in-one



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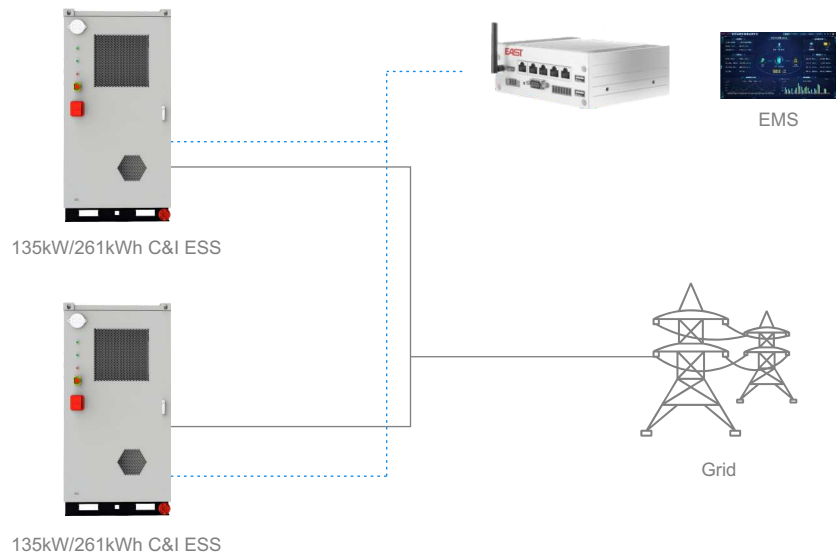
Fully liquid-cooled industrial and commercial all-in-one unit, with 20% higher energy density, fully front maintenance, supports side-by-side installation, with minimal system footprint, fully modular design with integrated power distribution for simplified maintenance
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PCS module features IP66 high protection and C5 high corrosion resistance, suitable for harsh working environments, operates at up to 50°C without derating
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Dual-loop liquid cooling system for highly reliable operation, PACK and cabinet-level fire detection and suppression strategies, supporting water-based fire protection for ultimate safety
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Self-developed station-level EMS configuration, enabling high-speed control and remote intelligent settings, supports 100% three-phase unbalanced output and off-grid operation with three-phase four-wire capability

System Architecture



Specification

MODEL	EAESS135K-261kWh		EAESS135K-522kWh	
Battery parameters				
Cell	3.2V/314Ah			
System battery configuration	1P260S		2P260S	
Rated capacity	261.248kWh		522.496kWh	
Rated voltage	832Vdc			
Voltage range	676~949Vdc			
On-grid AC side parameters				
Rated power	135kW			
Rated voltage	400Vac			
Voltage range	-20%~+15%			
Rated frequency	50Hz			
Frequency range	45~55Hz			
Power factor	>0.99(rated power)			
THDi	≤3%			
Overload capacity	110%			
Isolation method	Non-isolated			
Off-grid AC side parameters				
Rated power	135kW			
Rated voltage	400Vac			
Rated frequency	50Hz			
THDv	≤3%			
System parameters				
AC wiring mode	Three phase five line			
Charge/discharge rate	0.5P			
Cycles	≥8000@25°C			
IP rating	Battery protection@IP67, PCS protection@IP66, system protection@IP54			
Operating temperature	-25°C~55°C			
Relative humidity	0%~95%(non-condensing)			
Altitude	≤4000m			
Cooling method	Liquid cooling			
Fire protection system	Perfluorohexanone(PACK grade)+active monitoring+water fire protection			
Communication interface	LAN, IEC61850, ModbusTCP			
Dimensions(W×H×D)(mm)	1000×2000×1500		2000×2000×1500	
Weight(kg)	≤2850		≤4900	