

ES-S Series (S25) LV Battery Storage Systems

- Intelligent Battery Control**

BMS ensures precise cell management, performance optimization, and scalable system integration.



- Advanced Safety Solutions**

Equipped with advanced fire suppression and, based on customer needs, optional industrial cooling to ensure reliable operation from -30°C to +50°C.



Technical Parameters	ES-S25
Manufacturer	LG Energy Solution
Cell Material	Li-Ion NMC
Battery Number	1x
Cell Type	520ah
Battery Module Capacity	2,08 kWh
Number of Modules	12
Total Battery Capacity	25 kWh
Nominal Voltage	~48V
Operating Voltage Range	46,2 V ~ 58,1 V
Charge / Discharge Rate	0.5C
DoD	90%
General Parameters	
Dimensions (W x H x D)	700 x 1800 x 600mm
Weight	< 180 KG
Installation Site	Indoor
IP Protection	IP20
Operation Humidity	5% ~ 95% (No Condensing)
Operation Temperature	0°C ~ +45°C (-30°C ~ +50°C with conditioner control)
Max. Operation Altitude	4000 m (> 3000 m Derating)
Communication Port	CAN/RS485
Communication Protocol	CAN
Cooling Method	Optional: Industrial Air Conditioner or Fan cooling
Fire protection	Optional: Aerosol
Battery modules sourced	Battery modules sourced from OEM-grade Stellantis EV packs, manufactured in 2022 to 2025 based on NMC chemistry.
Cycle Life	≥ 4000 cycle (25°C, 0.5C, DoD 85% , EOL 70%)
Waring	7 years