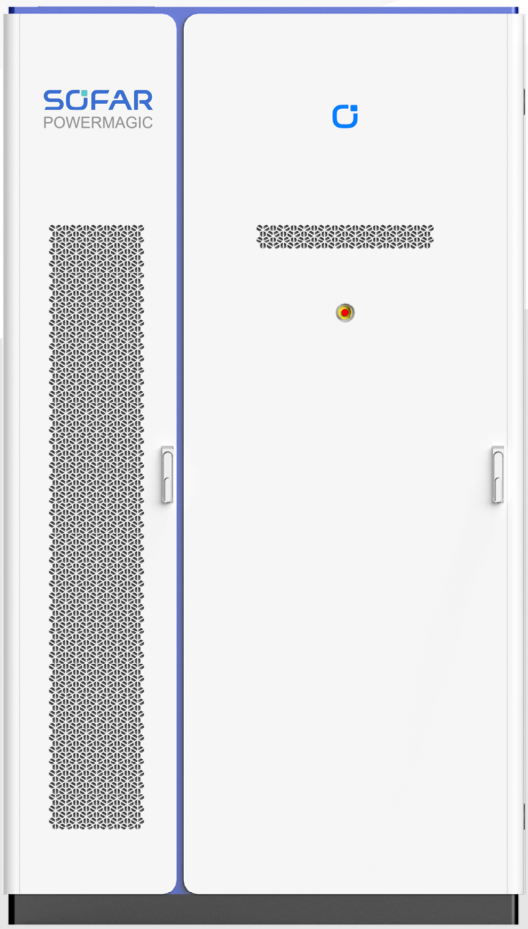
ESS-215-258KLA-SA1

Energy storage cabinet



Efficient & Flexible

- Modular design, flexible expansion
- Intelligent liquid cooling control, reducing auxiliary power loss
- Low-noise operation

Safety & Friendly

- Electrical cables and liquid pipes separated design
- Cell-level / PACK-level / cabin-level fire extinguishing
- Front exhaust, top explosion venting
- IP55 protection, C4 corrosion resistance, strong environmental adaptability

Smart management

- Integrated EMS functions: anti-backflow, parallel power distribution, demand management, peak shaving and valley filling, self-consumption
- Supports remote operation and maintenance

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Model	ESS-258KLA-SA1	ESS-215KLA-SA1
DC Side		
Battery Type	LFP/280Ah	
Rated Energy	258 kWh (6Pack)	215 kWh (5Pack)
Rated Voltage	921.6V	768V
DC Operating Voltage Range	734.4V ~ 1036.8V DC	612 V ~ 864V DC
Recommend DC Voltage Range	777.6V ~ 1022.4V DC	648 V ~ 852V DC
AC Side		
AC Voltage	400V AC	
Rated Power	125 kW	
Maximum AC Power	138 kW	
Maximum AC Current	198A	
Rated Grid Frequency	50Hz/60Hz	
Power Factor	-1~1	
System Parameters		
Operating Ambient Temperature	-30˚C~50˚C (Derating above 45˚C)	
Storage Ambient Temperature	-30˚C~60˚C	
Operating Relative Humidity	0~100% (No condensation)	
Cooling Type	Liquid cooling	
Fire Suppression	1. Battery cell level (perfluorohexanone) 2. Canibet level (perfluorohexanone or aerosol) 3. Water fire suppression	
System Configuration	AC side: Maximum 6 Energy storage cabinets in parallel DC side: Maximum 3 Battery cabinets per Energy storage cabinet	
Grid-On/Off	Auto-switch (With backup cabinet)	
Cabinet Connection	Plug-in connector	
Dimension (W×D×H)	1450×1350×2200 mm	
Weight	< 2.8T	< 2.5T
Ingress Protection Rating	IP55	
Anti-corrosion	C4 (C5 optional)	
Operating Altitude	≤ 4000m (Derating above 2000m)	
Noise Level	≤ 60dB	
Installation	Ground mounting	
Communication interface	Ethernet, Dry connect	
Standard	IEC/EN 61000-6-2/4, IEC62477-1, IEC62619, UN38.3, UL9540A, UL1973	

*All specifications are subject to change without notice.