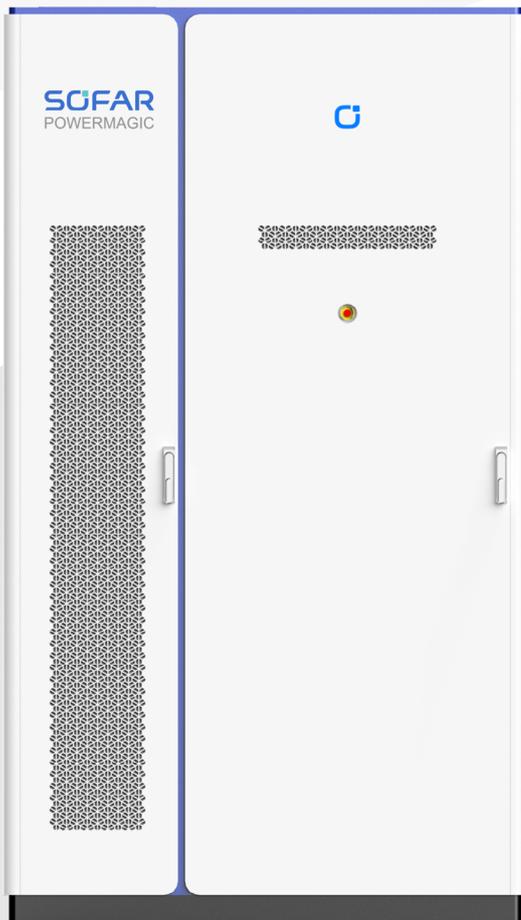


ESS-215-258KLA-SA1

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.

ESS-215-258KLA-BD1

Battery 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-BD1	ESS-215KLA-BD1
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	612V ~ 864V DC
Recommend DC Voltage Range	777.6V ~ 1022.4V DC	648V ~ 852V DC
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	
Communication Interface	CAN, RS485	
Cabinet Connection	Plug-in connector	
Dimension (W×D×H)	1000×1350×2200 mm	
Weight	< 2.5T	< 2.2T
Ingress Protection Rating	IP55	
Anti-corrosion	C4 (C5 optional)	
Operating Altitude	≤ 4000m (Derating above 2000m)	
Installation	Ground mounting	
Standard	IEC62619, UN38.3, UL9540A, UL1973	

*All specifications are subject to change without notice.

PAC-750K-H1

Junction cabinet



Efficient & Flexible

- Maximum 6-module combiner, supports 2 to 6 cabinets in parallel
- Compact footprint, supports wall-mounted installation



Safety & Friendly

- Easy to maintain and install
- IP55 protection, C4 corrosion resistance, strong environmental adaptability

Model	PAC-750K-H1
Input Side	
Rated Operating Voltage	400V AC, Three-phase four-wire
Rated Current	6×180A (max 6 cabinets in parallel)
Maximum Current	Max. 1188A
Rated Input Power	6×125 kW
System Parameters	
Operating Ambient Temperature	-30°C-50°C (Derating above 45°C)
Storage Ambient Temperature	-30°C-60°C
Relative Humidity	0-100% (No condensation)
Maximum Operating Altitude	≤ 2000m (Customized if above)
Ingress Protection Rating	IP55
Anti-corrosion	C4 (C5 optional)
Wire Inlet & Outlet	Bottom inlet, bottom outlet
Dimension (W×D×H)	700×700×2182 mm
Weight	< 300kg
Installation	Ground mounting
Standard	IEC/EN 61439-2

*All specifications are subject to change without notice.

EBI 99-125K-R

PCS



High yield

- Advanced three-level technology, max. efficiency 98.3%
- Effective forced air cooling, no derating up to 45°C
- Rack level management, more battery usable energy



Flexible & Reliable

- Bidirectional power conversion system with full four-quadrant operation
- Modular design, easy for design & maintenance
- IP66 protection degree, suitable for outdoor installation



Grid support

- Compliant with CE, IEC 62477-1 and grid regulations
- L/HVRT, Fast active/reactive power response

Model	EBI 99K-R	EBI 125K-R
DC Side		
Maximum DC Voltage	1200V	
DC Voltage Working Range	600-1200V	
DC Voltage Full-power Working Range	650-1100V	
Maximum DC Current	158A	220A
AC Side (Grid-on)		
Rated AC Power	99.99 kW	125 kW
Maximum AC Active Power	99.99 kW	138 kW
Maximum AC Apparent Power	99.99 kVA	138 kVA
Rated AC Current	144A	180A
Maximum AC Current	144A	198A
Rated Grid Voltage	400V 3W+PE	
Grid Voltage Range	340-440V	
Rated Grid Frequency	50/60Hz	
Grid Frequency Range	45-55Hz / 55-65Hz	
Power Factor	-1-1	
THDi (@Rated Power)	< 3%	
System Parameters		
Working Temperature	-35°C-60°C, > 45°C derating	
Relative Humidity	0-100%, no condensation	
Noise Level	< 75dB	
SPD	DC: type II, AC: type II	
Maximum Working Altitude	4000m, > 2000m derating	
Cooling Method	Temperature controlled forced air cooling	
Communication Port	CAN, RS485, Ethernet	
Degree of Protection	IP66	
Mechanical Parameters		
Dimensions (W×H×D)	740×265×850 mm (without terminals)	
Weight	< 98kg	
Terminal Block (AC/DC/Signal)	Waterproof quick plug	

*All specifications are subject to change without notice.