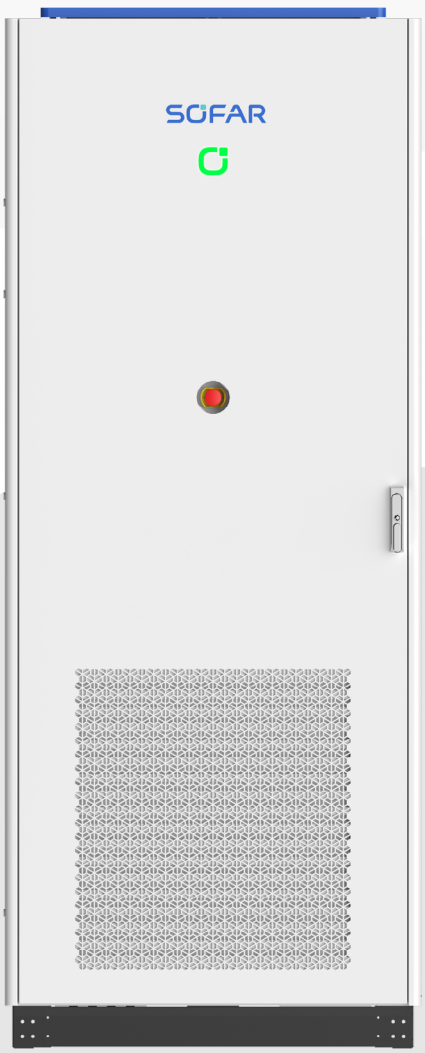
ESS-261KLC-SA1

Energy storage cabinet



Efficient & Flexible

- PCS supports both on-grid and off-grid applications
- Multiple cabinets can be connected in parallel to support large capacity application

Safety & Friendly

- Battery uses liquid cooling and PTC heating, adaptable to various harsh environments
- Noise level less than 70dB(A), enviromental friendly
- Intrinsic & Active & Passive ultimate safety design

Smart management

- Built-in EMS, supports demand management, PV fusion, micro grid, etc.

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Model	ESS-261KLC-SA1
DC Side	
Battery Type	LFP/314Ah
Series and Parallel Mode	1P260S
Rated Energy	261 kWh
Nominal Voltage	832V
DC Operating Voltage Range	650V~949V
Depth of Discharge (DOD)	98%
AC Side	
Type	3P4W
AC Voltage	400V AC
Rated AC Power	125 kW
Maximum AC Power	138 kW
Rated Grid Frequency	50Hz/60Hz
Power Factor	-1~1
Unbalanced Load	0~100%
System Parameters	
Cycle Performance	≥8000 @ 70% SOH
Round Trip Efficiency (RTE)	88%@0.5P, 90%@0.25P
Operating Ambient Temperature	-30°C~55°C (derating above 45°C)
Storage Ambient Temperature	-30°C~60°C
Operating Relative Humidity	0~100% (No Condensation)
Operating Altitude	≤ 4000m
Ingress Protection Rating	IP55
Anti-Corrosion	C4-M (C5-M Optional)
Cooling Type	Liquid Cooling
Fire Detection	Smoke, Temperature, CO
Fire Suppression	Three Level Fire Suppression Cell & Pack Space Level: Perfluorohexanone Spray (Optional) Baterry Room Level: Aerosol/Perfluorohexanone Spray (Optional) Whole Cabinet Level: Water Spray
Explosion Protection	Two Level Explosion Suppression Directional Smoke Extraction Explosion Venting Panel
Installation	Ground Mounting
Communication	Modbus TCP
Dimension (W×D×H)	1000×1350×2500mm
Weight	< 2400kg
Noise	≤ 70dB(A)
Standard	IEC62619, IEC62477-1, IEC/EN 61000-6-2/4, EN50549-1, UN38.3, UN3480, UL9540A

*All specifications are subject to change without notice.