

60kW Air-Cooling All-In-One C&I Hybrid ESS



This system features an integrated multi-purpose design with flexible unit capacity configurable between 112 kWh and 145 kWh, allowing customization to meet specific energy and power requirements. It supports photovoltaic and generator integration, as well as grid-connected/off-grid transition, making it highly suitable for providing reliable backup power in remote or weak grid environments.

- It supports photovoltaic and generator integration, as well as grid-connected/off-grid transition, making it highly suitable for providing reliable backup power in remote or weak grid environments.
- Supports multiple subsystems operating in parallel during off-grid mode;
- 20ms transition from grid-connected to off-grid ensures uninterrupted power supply.
- Modular, integrated design with simplified installation and maintenance, supporting real-time online monitoring.
- Active and passive fire protection design eliminates hazards, ensuring secure system operation

Model	ESS-C-JG112A-F	ESS-C-JG128A-F	ESS-C-JG145A-F
PV Input			
Max.Input Power		38.4kW*2	
Max.Input Current		64A*2	
Input Voltage		200V-800V/250Vdc	
Battery Parameters			
Battery Type		LFP 3.2V 314Ah	
Max. Charge/Discharge Current		150A	
PACK Configuration		1P16S	
Nominal Capacity	112kWh	128kWh	145kWh
AC output(On-grid)			
AC Rated Power	48kW	55kW	60kW
Max. AC Current	76A	87A	96A
AC Rated Voltage		3P/N/PE;230V/400V AC	
Frequency		50Hz/60Hz	
Power Factor		0.8(Leading)~0.8(Lagging)	
THDi		<5%(Above 30% Load)	
AC output(off-grid)			
AC Rated Power	48kW	55kW	60kW
Max.AC Current	76A	87A	96A
AC Rated Voltage		3/N/PE;230V/400V AC	
Frequency		50Hz/60Hz	
Unbalanced Load		100%	
THDv		<3%(Linear Load)	
Switch Time		< 20ms	
General Data			
Weight	~1.7t	~1.8t	~1.9t
Dimension (WxDxH)		1088mm*1320mm*2300mm	
Cooling Method		Air cooling	
IP Rating		IP54	
Operating Temperature		-20°C ~ +45°C	
Relative Humidity		5~95%RH(Non-condensing)	
Altitude		≤ 2000m	
Noise Emission		≤75dB(TBD)	
Fire Extinguishing Media		Aerosol	
Certificates	IE/CEN62477-1, IEC/EN 61000-6-2,IEC/EN 61000-6-4,IEC62619, G99,G100,AS47772,EN 50549-1,VDE-AR-N 4105,UN38 3		

125kW/257kWh Air-Cooling All-In-One C&I ESS



This product is an air-cooled energy storage system suitable for industrial parks and commercial entities. It utilizes high-capacity LFP battery cells, and the battery pack incorporates an advanced air-cooling thermal management system. Cabinet-level aerosol fire suppression technology is employed to ensure the safe operation of the product.

- Long-life, high-safety LFP battery cells.
- Intelligent air-cooling technology with self-adjusting capability.
- Multi-layer protection strategy for safety and reliability.
- Plug-and-play design with zero on-site debugging.
- Supports multi-cabinet parallel connection for flexible Battery System Configuration.

Model	ESS-C-JG257A-F
AC Input/Output	
AC Rated Power	125kW
AC Rated Voltage	230V/400V, 3P+N+PE
Rated Frequency	50Hz/60Hz
Power Factor	0.8(Leading)~0.8(Lagging)
THDI	<3%(Rated Power)
Off-grid	Support
Battery Parameters	
Rated Capacity	257kWh
Max.DC Current	174A
Battery Type	LFP 3.2V / 314Ah
DC Rated Voltage	819.2V
DC Rated Voltage Range	716.8V~921.6V
Battery Module	51.2V / 16.07kWh
Battery System Configuration	1P256S
General Data	
Dimension (W×D×H)	2100mm×1500mm×2060mm
Weight	~2.9t
Cooling Method	Air--Cooling
IP Rating	IP54
Operating Temperature	-20°C ~ +45°C
Relative Humidity	5% ~ 95%(Non-condensing)
Altitude	≤2000m
Noise Emission	≤75dB
Fire Extinguishing Media	Aerosol
Certificates	IE/CEN62477-1, IEC/EN 61000-6-2,1EC/EN 61000-6-4,1EC62619, G99,G100,AS47772,EN 50549-1,VDE-AR-N 4105,UN38 3

125kW/261kWh Liquid-Cooling All-In-One C&I ESS



This product is a liquid-cooled energy storage system suitable for industrial parks and commercial entities. It utilizes high-capacity LFP battery cells, and the system adopts intelligent thermal management technology to ensure safety and effectively extend the system's cycle life. Pack-level targeted fire suppression technology utilizing perfluorohexane is used to ensure the safe operation of the product.

- Long-life, high-safety LFP battery cells.
- Advanced liquid-cooling thermal management technology extends battery cycle life.
- PACK-level and cabinet-level targeted fire suppression technology ensures safety and reliability.
- High product integration reduces on-site installation and commissioning time.
- It is standard-container shipping compatible and supports multi-cabinet parallel connection for flexible deployment.

Model	ESS-C-JG261A-L
AC Input/Output	
Rated Power	125kW
AC Rated Voltage	230V/400V, 3P+N+PE
Rated Frequency	50Hz/60Hz
Power Factor	0.8(Leading)~0.8(Lagging)
THDI	< 3%(Rated Power)
Off-grid	Support
Battery Parameters	
Rated Capacity	261kWh
Max.DC Current	172A
Battery Type	LFP 3.2V / 314Ah
DC Rated Voltage	832V
DC Rated Voltage Range	728V~936V
Battery Module	166.4V / 52.249kWh
Battery System Configuration	1P260S
General Data	
Dimension (W×D×H)	1050mm×1350mm×2350mm
Weight	~2.7t
Cooling Method	Liquid-Cooling
IP Rating	IP54
Operating Temperature	-20°C ~ +45°C
Relative Humidity	5% ~ 95%(Non-condensing)
Altitude	≤2000m
Noise Emission	≤75dB
Fire Extinguishing Media	Aerosol
Certificates	IE/CEN62477-1, IEC/EN 61000-6-2,1EC/EN 61000-6-4,1EC62619, G99,G100,AS47772,EN 50549-1,VDE-AR-N 4105,UN38 3