

# 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 (W×D×H)             | 1088mm*1320mm*2300mm  |        |                |        |                |  |
| Cooling Method                | Air cooling   |        |                |        |                |  |
| IP Rating                     | IP54  |        |                |        |                |  |
| Operating Temperature         | -20℃ ~ +45℃   |        |                |        |                |  |
| Relative Humidity             | 5~95%RH(Non-condensing)   |        |                |        |                |  |
| Altitude                      | ≤ 2000m   |        |                |        |                |  |
| Noise Emission                | ≤75dB(TBD)  |        |                |        |                |  |
| Fire Extinguishing Media      | Aerosol   |        |                |        |                |  |
| Certificates                  | IE/CEN62477-1, IEC/EN 61000-6-2,1EC/EN 61000-6-4,1EC62619, 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 |