

INTELLIGENT ENERGY BLOCK

125kW+250kWh Energy Storage System



eBlock 250



Intelligent Operation and Maintenance

- Modular energy block design, modular spare parts, more convenient maintenance.
- Data, video high-speed access to the cloud, remote active fire extinguishing, to achieve true unattended.
- Profits are clearer, data is more transparent, operation and maintenance is easier.



Efficient and Flexible

- High energy density, no junction cabinet, saving floor space.
- PCAK/PCS modular design, reduce failure loss, high system availability.
- Single rack management, no inter rack circulation, improve the system energy charge/discharge capacity.
- Full liquid cooling, longer system life, lower auxiliary power consumption.



Extreme Safety

- Multi-layer fire protection, rapid suppression of thermal runaway.
- Top burst design to prevent the risk of explosion.
- Battery health AI management, early warning of failure battery.
- Noise reduction by 50%, suitable for large commercial buildings, parks and other areas.



Easy installation

- Modular products plug and play.
 - Automatic SOC balancing between Packs.
 - Equipment foundation no need excavation design, save the site civil construction cost.
 - With the functions of parallel off-grid, backup power, three-phase imbalance management, etc.
- Suitable for various application scenarios.



Technical Data

eBlock-250

System Data

| | | | |
|----------------------------|----------------|----------------------------|--|
| Cell Type | LFP 3.2V/314Ah | Number of Cycles | ≥7000 Cycles |
| Configuration | 1P260S | System Protection Level | IP55 |
| Nameplate Capacity | 250kWh | Operating Temperature | -35°C~ 55°C |
| DC Voltage Range | 728~936V | Operating Humidity | 0%RH ~ 95%RH (No condensation) |
| AC Rated Power | 125kW | Noise | < 70db |
| Rated Voltage Range | 400V±15% | Dimensions (W * H * D) | 1000 * 2350 * 1300(mm) |
| Maximum System Efficiency | ≥90% | Altitude | ≤2000m |
| Depth Of Discharge | 100%DOD | Thermal Management Methods | Liquid Cooling (battery) |
| Communication Interface | LAN | Total weight | 3000Kg |
| AC Current Distortion Rate | <3% | Certification | CQC、LVRT/HVRT、IEC 62477、IEC 61000、IEC 62619、VDE 4105、UTE C15-712-1、CEI0-21、EN 50549-2、UN38.3 |
| DC Component | < 0.5%lpn | | |



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Energy Storage System



eBlock 100C



Intelligent Operation and Maintenance

- Modular energy block design, modular spare parts, more convenient maintenance.
- Data, video high-speed access to the cloud, remote active fire extinguishing, to achieve true unattended.
- Profits are clearer, data is more transparent, operation and maintenance is easier.



Efficient and Flexible

- High energy density, no junction cabinet, saving floor space.
- PCAK/PCS modular design, reduce failure loss, high system availability.
- Single Rack management, no inter Rack circulation, improve the system power generation.
- Full liquid cooling, longer system life, lower auxiliary power consumption.



Extreme Safety

- Multi-layer fire protection, rapid suppression of thermal runaway.
- Bottom burst design to prevent the risk of explosion.
- Battery health AI management, early warning of failure battery.
- Noise reduction by 50%, suitable for large commercial buildings, parks and other areas.



Easy Installation

- Modular products plug and play.
- Automatic SOC balancing between Packs.
- Equipment foundation no need excavation design, save the site civil construction cost.
- With the functions of parallel off-grid, backup power, three-phase imbalance management, etc. Suitable for various application scenarios.



Technical Data

System Data

| | |
|----------------------------|--|
| Cell Type | LFP 3.2V/314AH |
| Configuration | 128S1P |
| Nameplate Capacity | 125kWh |
| Maximum System Efficiency | ≥88% |
| Depth of Discharge | 100% DOD |
| Voltage Frequency | 50Hz |
| Communication Interface | LAN |
| Number of Cycles | ≥10000 Cycles |
| System Protection Level | IP55 |
| Operating Temperature | -35°C~ 55°C |
| Operating Humidity | 0%RH ~ 95%RH (No condensation) |
| Noise | < 70db |
| Dimensions (W * H * D) | 1000*2270*1100(mm) |
| Altitude | ≤2000m |
| Thermal Management Methods | Liquid cooling (battery+PCS) |
| Certification | IEC 62477、IEC 61000、 IEC 62619、VDE 4105、 UTE C15-712-1、 CEI0-21、EN 50549-2、 UN38.3 |

eBlock-100C

PV Data

| | |
|------------------------------------|----------|
| Maximum Photovoltaic Input Power | 100kWp |
| Rated DC Input Voltage | 720V |
| MPPT Voltage Range | 150-850V |
| MPPT Number | 4 |
| Maximum input current of each MPPT | 40A |

On-grid Side Data

| | |
|-------------------------|------------------|
| Rated Output Power | 50kW |
| AC Rated Output Current | 72.5A |
| Power Factor | -0.8~0.8 |
| Grid Voltage | 3L/N/PE 230/400V |

Off-grid Side Data

| | |
|------------------------------------|------------------|
| Rated Output Power | 50kW |
| Off-grid Peak Power | 55kVA |
| Off-grid Peak Power /2min | 60kVA |
| Fastest on/off Grid Switching Time | <10ms |
| Rated Output Voltage | 3L/N/PE 230/400V |



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INTELLIGENT ENERGY BLOCK

2508kW+5016kWh Energy Storage System



eBlock-Galaxy **1**



Economically Efficient

- 20ft 5MWh+ AC/DC "all in one" container, system cycle efficiency increased by 2%.
- 5MW/10MWh standard container design, small footprint.
- Full liquid cooling, longer system life, lower auxiliary power consumption.



Ultimate Safety

- Multi-layer fire protection design, rapid suppression of thermal runaway.
- Top burst design to prevent the risk of explosion.
- Battery health AI management, early warning of failure battery.



Efficient and Flexible

- Strong adaptability, suitable for a variety of extreme environments.
- PCAK/PCS modular design, reduce failure loss, high system availability.
- Single rack management, no inter rack circulation, improve the system energy charge/discharge capacity.



Easy Installation

- Modular products plug and play.
- Automatic SOC balancing between Packs.



| Technical Data | eBlock-Galaxy-1 |
|-------------------------------|--|
| System Data | |
| Cell Type | LFP 3.2V/314AH |
| Battery PACK configuration | 104.5kWh |
| Nameplate Capacity | 5016kWh |
| DC Voltage Range | 1164.8~1497.6V |
| AC Rated Power | 2508kW |
| AC Rated Voltage Range | 690V±15% |
| Maximum System Efficiency | ≥90% |
| Depth of Discharge | 100% DOD |
| Communication Interface | LAN |
| AC Current Distortion Rate | <3% |
| Communication protocols | Modbus\IEC 104\IEC 61850\MQTT |
| Number of Cycles | ≥7000 Cycles |
| System Protection Level | IP55 |
| Operating Temperature | -35°C~ 55°C |
| Operating Humidity | 0%RH ~ 95%RH (No condensation) |
| Noise | < 80db |
| System dimension (W * D * H) | 6058 mm * 2438 mm * 3100 mm |
| Altitude | ≤2000m |
| Thermal Management Methods | Liquid cooling (battery+PCS) |
| Total Weight | 43000Kg |
| Certification | UL 1741,UL 1973 ,UL 9540A,IEC61000, IEC62619, EN50549,VDE4105,IEC62477,IEC 60730,UN3536,UN38.3 |



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