JDENERGY

eBlock 100C

PHOTOVOLTAICS & ENERGY STORAGE INTEGRATION FOR GREENER FUTURE

eBlock-100C-UL
Energy Storage System

Intelligent operation and maintenance | Extreme Safety | Efficient and flexible | Easy Installation

eBlock 100C

PV-ESS INTEGRATION-SIDE SOLUTION

Intelligent operation and maintenance

- Photovoltaic maximum 60kWp input, more choice for customer, DC terminal are reserved for DC charging piles.
- Low voltage AC 208/220/230/240V three-phase four-wire 60Hz system output, plug and play.
- 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.

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.
- The whole cabinet IP55 protection, C5 anti-corrosion adaptability, support a variety of differentiated extreme environment applications.

Efficient and Flexible

- Full liquid cooling (Pack+PCS) , long system life, lower auxiliary power consumption.
- High energy density, small footprint, no need to design a junction cabinet, reduce equipment costs.
- Pack/PCS modular design, reduce failure loss, high availability system rate.
- Single rack management, no inter rack circulation, improve the system energy charge/discharge capacity.
- PCS and battery integrated design, side by side field layout more flexible.

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.

SYSTEM DATA

Cell Type	LFP 3.2V/314AH
Configuration	128S1P
Nameplate Capacity	120kWh
Maximum System Efficiency	⩾88%
Depth of Discharge	100% DOD
Voltage Frequency	60Hz
Communication Interface	LAN
Number of Cycles	⩾7000 Cycles
System Protection Level	IP55 (battery cabinet)
Operating Temperature	-35°C~55°C (45°C-55°C derating)
Operating Humidity	0%RH ～ 95%RH (No condensation)
Noise	⩽75dB
Altitude	⩽3000m
Thermal Management Methods	Liquid cooling (battery+PCS)
Certification	UL 9540, UL 9540A UL 1973,UL 1741,UL/CSA 60730 ,UN38.3

PV DATA

Maximum Photovoltaic Input Power	60kWp
Rated DC Input Voltage	550V
MPPT Voltage Range	150-900V

MECHANICAL PARAMETER

Dimensions (L*W*H)	1000mm*1000mm*2270mm
Total Weight	1600Kg

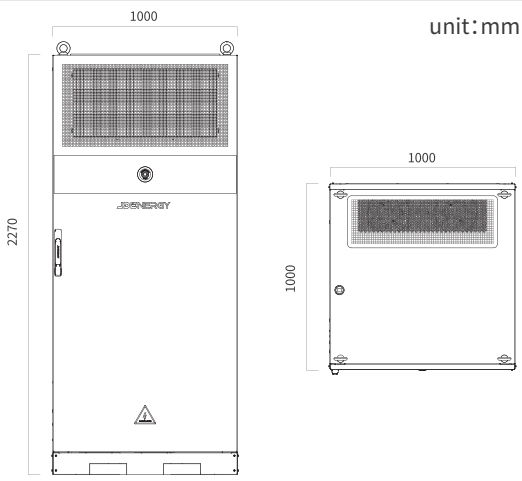
GRID DATA

Rated Voltage	208/220/230/240V (-15%~10%) 3L/N/PE or 3L/PE
Rated Power	50kw
Rated Current	72.5A
Rated Frequency	60Hz
Maximum Input Power	60kVA
Maximum Input Current	167A

BACKUP DATA

Rate Output Power	30kVA@208V
Maximum Output Power	33kVA/10min；36kVA/1min
Rated Output Voltage	208/220/230/240V (-15%~10%) 3L/N/PE or 3L/PE
Rated Frequency	60Hz

unit：mm



Tolerance: Length ±2mm, width ±2mm

*JDEnergy reserves the right of final interpretation for all data contained in this specification.(20251023 V2.0)

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