JDENERGY

eBlock 250

NEXT-GEN ENERGY ENGINE FOR INDUSTRY AND COMMERCE

Intelligent energy block eBlock-250
125kW/250kWh Energy Storage System

Intelligent operation and maintenance | Ultimate | Efficient and flexible | Quick installation

eBlock 250

USER-SIDE SOLUTION

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.

Ultimate

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

Efficient and flexible

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

Quick installation

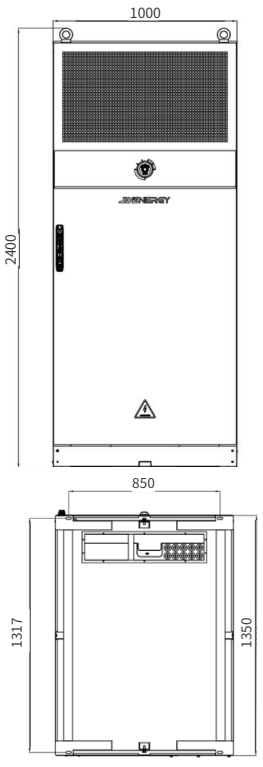
- Modular products plug and play.
- Automatic SOC balancing between modules.
- Equipment foundation no digging trench, save the site civil construction cost.
- With the functions of parallel off-grid, backup power, three-phase imbalance management, etc.
  Suitable for various application scenarios.

SYSTEM DATA

Cell Type	LFP 3.2V/314Ah
Battery grouping method	260S1P
Battery capacity	250kWh
Battery voltage range	728~936V
AC rated power	125kW
AC Rated Frequency	50/60Hz
Rated Voltage Range	400V(-15%~10%)3L/N/PE
Maximum system efficiency	⩾90%
Depth Of Discharge	100% DOD
communication interface	LAN
AC current distortion rate	<3%
DC component	< 0.5%Ipn
Number of cycles	⩾7000 Cycles
System protection level	IP55(Battery cabin)
Operating Temperature	-35°C~55°C (45°C-55°C derating)
Operating humidity	0%RH ~ 95%RH（No condensation）
Noise	< 80db
Altitude	⩽2000m
Thermal management methods	Liquid cooling (battery)
Certification	CQC、LVRT/HVRT, IEC 62477, IEC 61000, VDE 4105, VDE4110, CEI 0-16, CEI 0-21 EN 50549-1,EN 50549-2、UN38.3

MECHANICAL PARAMETER

unit:mm



Tolerance: Length ±2mm, width ±2mm

Dimensions (L*W*H)	1000 mm * 1350 mm * 2400 mm
Total Weight	≈2700Kg
Installation mode	install on the ground

*JDEnergy reserves the right of final interpretation for all data contained in this specification.(202605 V3.0)

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