iBASE ENERGY

IBE-120C-CE

PHOTOVOLTAICS & ENERGY STORAGE INTEGRATION FOR GREENER FUTURE

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.

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.

Intelligent operation and maintenance

- Photovoltaic maximum 100kWp input, more choice for customer, DC terminal are reserved for DC charging piles
- Low voltage AC 400V three-phase four-wire 50/60 Hz 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.

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www.ibaseenergy.com

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SYSTEM DATA

Cell Type	LFP 3.2V/314AH
Configuration	128S1P
Nameplate Capacity	120kWh
Maximum System Efficiency	≥88%
Depth of Discharge	100% DOD
Voltage Frequency	50/60 Hz
Communication Interface	LAN
Number of Cycles	≥10000 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	<70db
Altitude	≤2000m
Thermal Management Methods	Liquid cooling (battery+PCS)
Certification	IEC 62619, IEC 62477, IEC 61000 IEC 60730, VDE 4105, CEI 0-21 EN 50549-1, UN38.3

PV DATA

Maximum Photovoltaic Input Power	100kWp
Rated DC Input Voltage	720V
MPPT Voltage Range	150-850V

DC TERMINAL DATA

Rate Voltage	720V
Maximum Power	110kWp
Maximum Input/Output Power	152A

OUTPUT DATA

Rate Output Power	50kVA
Maximum Output Power	55kVA/long-term；60kVA/2min
Rated Output Voltage	400V (-15%~10%) 3L/N/PE
Rated Frequency	50/60 Hz

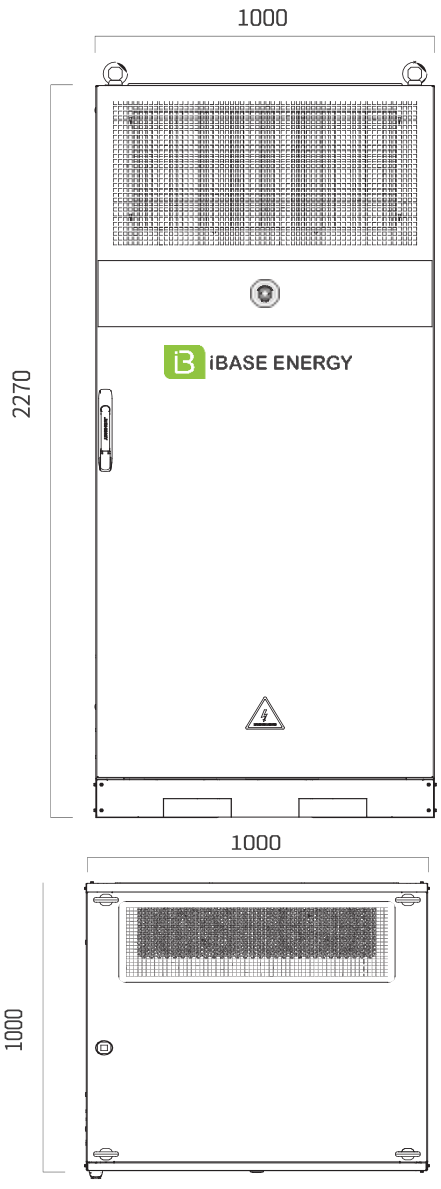
GENERATOR INPUT DATA

Rated Voltage	400V (-15%~10%) 3L/N/PE
Maximum Input Power	100kVA
Rated Frequency	50/60 Hz
Maximum Input Current	145A

MECHANICAL PARAMETER

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

unit：mm



Tolerance: Length ±2mm, width ±2mm