

YOUR SAFE ENERGY

SafecubeA100A50PT



A+ Grade Lithium
Iron Phosphate Cells



15-year Design Lifespan

Version:V1.1

Smart Air-Cooled Battery
All-in-One C&I BESS



● Features and Advantages

Safety Technology

- A+ grade lithium iron phosphate
- The system is configured with a multi-level fuse protection
- Built-in aerosol fire extinguishing systems at the package and rack levels

More Reliable

- The system is rigorously designed and tested to operate stably under various conditions
- Equipped with protections against overcharge over-discharge, and over-temperature to prevent accidents

Easy to Install and Use

- Highly integrated for ease of transportation, installation and deployment
- Modular design with flexible system capacity configuration

Energy Management System

- Emergency power supply
- Peak shaving
- Demand mitigation
- Self-consumption
- Micro-grids
- Price arbitrage

System Technical Parameters

Model	CF SafeCab A100A50PT
Battery Data	
Nominal Energy	100kWh
Nominal Voltage	512V
Battery Model	LV-IESS-RH14.336Aa-HBox-n ("n" = 10)
Battery Chemistry	LithiumIronPhosphate(LiFePO4)
Cycle Life	≥8000 cycles(@25°C, 0.5P/0.5P)
Cell Specification	3.2V 280Ah
Battery Pack Energy	14.336kWh
String Configuration	1P112S
Number Of Racks	1
Operating Voltage	280V - 408.8V
Rated Charging Power	0.5P
Rated Discharging Power	0.5P
Safety	
Fire Extinguishing System	Aerosol fire extinguishing
Inverter Data	
Rated Power	50kW
Please refer to the inverter section for more details.	
General	
Dimension(WxDxH)	1310 x 1155 x 2000mm
Weight	≤ 1450kg
IP Rating	IP54
Cooling Method	Smart air cooling
Operating Temperature	-20°C - +50°C
Storage Temperature	-20°C - +45°C
Relative Humidity	15% - 90%(Non-condensing)
Operating Altitude	≤3000m
Communication Interfaces	LAN/CAN/RS485
Compliance	IEC 62619, IEC/EN 61000, UN 38.3, MSDS

* The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified, the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

* The specifications are subject to change without prior notice.