



INFINITE POWER

Shenzhen Infinite Power Technology Company, is committed to becoming a leading global supplier of comprehensive new energy solutions, mainly focusing on ESS container storage system, industrial and commercial energy storage system, and home energy storage system solutions, providing customers with professional customized services

Commercial & Industrial Energy Storage System

HT-ESS-CUBE215

The commercial & industrial (C&I) energy storage system of CUBE215 integrates batteries, battery management system (BMS), energy management system (EMS), modular power conversion system (PCS), and fire protection system into the cabinet. The system's capacity is up to 215 kWh and the power is up to 100 kW. The modular design facilitates flexible capacity expansion and adapts to various scenarios. The system has many functions such as voltage regulation, three-phase imbalance control, and harmonic control to improve power quality. It also enables load tracking, back-up power supplying and peak shaving, which can reduce enterprises' energy consumption costs, increase their green energy consumption, and keep their systems running safely and stably.



Product Features

- Quick power response, and supporting various operation modes, such as virtual power plant, and on-grid/off-grid operation
- All-in-one design, greatly reducing the time and cost of transportation and on-site installation
- Local data acquisition, intelligent monitoring, and remote operation & maintenance (O&M)
- Standardized interfaces, allowing multi-system parallel connection and easy expansion
- Six-layered security protection design, and multi-information fusion
- Intelligent equalization algorithm + deeply optimized SOX algorithm, improving the available system capacity by > 3%
- PACK-level SOX auxiliary calculation, improving the algorithm accuracy by 2%
- Intelligent installation and O&M, allowing node self-adaption, fault indication, etc., and reducing the cost of on-site installation and O&M by 70%
- Local/remote upgrade (broadcasting program upgrade allowed), with efficiency 90% higher than that of traditional point-to-point upgrade



Data Center



Commercial Buildings



Industrial Parks



PV storage charging
integration



Distribution grid expansion

Technical Data

Product Type HT-ESS-CUBE215

AC Input / Output

Rated power	100kW
Max. output power (on-grid)	110kW
Max. output power (off-grid)	100kW
Rated voltage	380V
Voltage range	-15~ +15 %

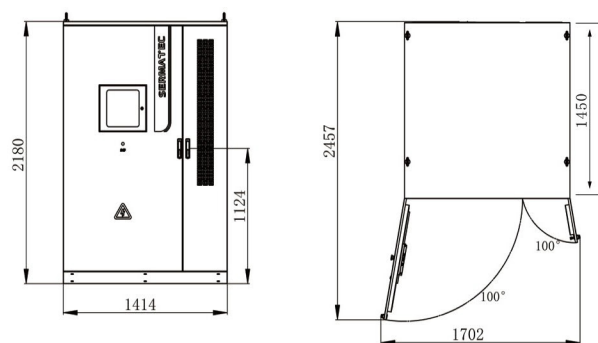
DC Input

Voltage range	600~900V
Battery PACK configuration	1P48/43kWh
Battery system configuration	1P240S
Capacity	215kWh

HT-ESS-CUBE215

Max. efficiency of converter	99%
Fire protection system	Aerosol + perfluorohexanone
Dimension (W*D*H)	1414*1450*2180 mm
Weight	2700kg
Operating temperature range	-30~ +55°C
Relative humidity range	0~95% (non-condensing)
Degree of protection	IP54
Cooling	Liquid cooling
Communication interfaces	RS485/Ethernet
Communication protocols	IEC61850/MODBUS-RTU/MOUDBUS-TCP

Installtion Dimensions

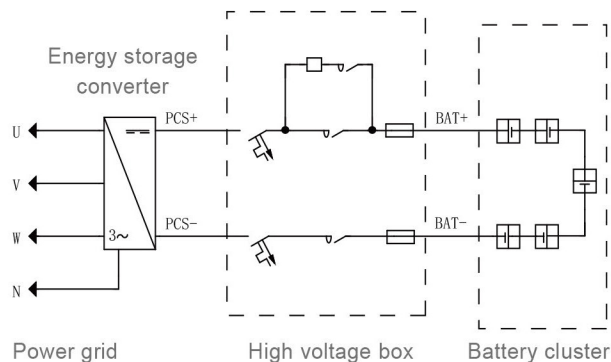


Dimension (W*D*H) mm

1414*1450*2252 (with rings)

1414*1450*2180 (without rings)

Circuit Diagram



Disclaimer: 1. The content of the Manual is for reference only. In case of any change, please refer to the actual product.



TEL: +86- 187 2238 6248

EMAIL: candy@infinitepowerht.com

ADD: 311, Floor 3, Building 1, 1980 technology and Culture Industrial Park, Longhua, Shenzhen, China