

Si station 186



Introduction

Hicorenergy air cooling battery cabinet integrates battery modules with a full configuration capacity of 186kWh. And can be widely used in various application scenarios such as generation and transmission grid, distribution grid, new energy plants.

Features



Flexible

- All-in-one design and highly integrated
- Modular design with different optional parts.



Compatible

- Grid-tied and Off-grid
- 208/400/480Vac 3P4W
- Optional PV input
- Optional backup module



Easy-to-Install

- IP54 rated
- Parallel installation back-to-back



Compliance

- Global grid certified & listed
- Compliance with global safety standards.

Technical Specifications

Mode	SI STATION EX186
System Specificatoin	
Battery Chemistry	LFP (LiFePO4)
Nominal Output Power	30kW*n (1~3)
Battery Capacity	186kWh
Battery Nominal Voltage	665.6V
Operating DC Voltage Range	200V-750V (350V-750V @full load) (Due to the electrical design different with the 30P module)
Recommended. Charging/Discharging Current	140A
Fire Fighting System	Sensor tube, with the agent of aerosol or water
Built-in transformer	400V/400Vac or 480V/480Vac, 100kVA
Built-in gateway	For Peak-shaving, demand charge management or back-up power supply.
Cycle life	≥6000 ^[2] (25°C, 0.5C/0.5C, 70%EOL)
DOD	90%
Warranty	3 Year Product Warranty, 10 Year Battery Warranty
AC Side	
Rated Output Power	30kVA*n (1~3)
Maximum Apparent Power	33kVA*n (1~3)
Maximum Active Power	30kW*n (1~3)
AC power range	30kW (400 Or 800Vac & 350-750Vdc) *n units (n=1,2,3) 15kW (400 Or 480Vac & 150-350Vdc) *n units (n=1,2,3)
AC Voltage Grid-tied	400V(-15%~15%)3P4W+PE/480V(-15%~15%)3P3W+PE
AC Voltage Off-grid	400V(-20%~20%)3P4W+PE/480V(-5%~5%)3P4W+PE
AC Frequency	50Hz/60Hz(-2.5Hz~2.5Hz)
THDi	<3%
DCDC Charger Compatibility	
Max DCDC units	2
PV Input Power	45kW*n units (n=1,2)
PV Input Voltage Range	200V-810V
Auto-switching Compatibility	
Rated Power	300kW
Switching Time	Active Switching: Seamless Passive Switching: 30ms
DC Bus Side	
PV Voltage Range	250V-830V
Maximum Input Current	65A*n (1~3)
Conmmunication	
Communication port	CAN/RS485/Ethernet
Communication protocol	Modbus TCP/RTU,IEC104

Mechanical	
Dimensions(W*D*H)	2100*1200*2450mm
Weight	3900kg
Cooling System	Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)
IP protection	IP54
Environmental	
Reactive Humidity	0-95% (No condensing)
Operating Temperature Range	-20°C~55°C (De-rating over 45°C)
Altitude	2000m (>2000m derating)
Regulations	
Certification	<p>CELL: IEC62619/UL1973/GBT36276</p> <p>PCS: GB/T34120-2017 CE VDE-AR-N 4105: 2018 TOR Erzeuger TypeA V1.2: 2022 /OVE-Richtlinie R 25: 2020 DIN VDE 0126-1-1: 2013(with national deviation of France: DIN VDE 0126-1-1WER 2019) EN 50549-1: 2019+AC: 2019-04 NRS 097-2-1: 2017 Edition 2.1</p> <p>Module Safety Certification: IEC62619 IEC61000 UL1973 CE</p> <p>Module UN Transportation Test Standard: UN38.3</p> <p>System: CE UN38.3</p>

[1] Charge and discharge current derating will occur between -20°C and 0°C

[2] Under specific test conditions

Dimensions

