

Air Cooling Battery Cluster

SHSIFP51314A

The battery cluster is consisted of 1 PDU and 1~26 battery modules(1P16S) configured together in series. And the battery cluster is equipped with disconnectors, main positive and negative contactors, positive circuit fuses, pre-charging circuits, ACDC switches and other components to ensure overload protection, short circuit protection and other functions.

Features & Advantages

Safety Technology

- A+grade lithium iron phosphate
- Multi-level fuse design with sequential protection
- Built-in package-level and rack-level gas aerosol fire extinguishing system

Easy to Install and Use

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



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

Energy Management

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

Specifications

Battery Data

Battery Model	SHSIFP51314A-n("n"=1,2,3,...26)
Battery Type	LFP(LiFePO4)
Cycle Life	8000 cycles(@25°C, 0.5P/0.5P)
Battery Cell	3.2V314Ah
Battery Pack Energy	16.07kWh
Rated Voltage Range	51.2V~1331.2V(1-26 battery modules in series)
Rated Energy	314Ah(0.5P,25 C)
String Configuration	416S1P
Rated Charge/Discharge Power	0.5P
Discharge Temperature	-20-55℃
Charge Temperature	0-55℃
Maximum Continuous Charge Current	157A
Maximum Continuous Discharge Current	157A

General

Cooling Method	Air cooling
Freezing medium speed	105.08(Min:94.57)CFM
IP Rating	IP20
Storage Temperature	0-35℃
Storage Humidity	"<75% RH,without condensation"
Application Altitude	<4000m [Derating use above 2000m]
Dimensions(W x D x H)	1721 x 784 x 2290mm
Weight	3419kg
Communication Method	CAN2.0/RS485/Internet
Compliance	CE,IEC-62619,UN38.3,MSDS

Products specifications described herein are subject to change without prior notification.

Shandong Sacred Sun Power Sources Co.,Ltd.



No.1, Shengyang Road, Ufu 273100 PRC

+86-537-4422313

sales@sacredsuns.cn



24/7 technical support before, during and after sales.