

SDA10-4850AC

lithium iron phosphate battery
integrated system



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Application Scenarios

- Outdoor sites with AC power supply

Product features

High protection level

Cabinet meet the IP55 protection standard

Mechanical protection design

Resistent box for outdoor application with anti-theft lock

Environmental adaptability

Cabinet included heat insulation, ventilation or other cooling solutions, depending from the climatic einviroment

Flexible configuration

AC and DC power supply system consists of the AC input, AC output distribution, lightning protection, battery module, the size and number of inputs and outputs can be flexibly configured

Monitoring communication

The system has RS232 or RS485, dry contact and other communi-cation interface, easy access to dynamic monitoring system, and other equipment to achieve a unified monitoring and management

Easy installation and maintenance

The system can realize the full front maintenance operation, and has enough operation and maintenance space, which can be easily replaced by AC and DC components,at the same time can provide a variety of optional installation accessories, to meet a variety of holding pole, wall, landing and other installation requirements

Efficient battery management

Battery pack and monomer with over charge, over discharge, over current, short circuit and temperature protection and other functions



SDA10-4850AC lithium iron phosphate, integrated battery system, provides DC or AC integrated backup power supply. The system is configured with an AC output power distribution unit, a power supply and LiFePO4 battery pack. It has the characteristics of small size, light weight, safety, environmental protection, high reliability, strong function and flexible configuration. It can also provide power supply guarantee for all kinds of communication equipment, environmental monitoring, air conditioning, lighting and so on.

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Technical Parameters

Item		Parameters	
Model (Battery and switch power supply)		4850 Battery pack and 1KVA UPS	4850 Battery pack and 2KVA UPS
1. Performance Parameter			
Maximum output load power		800W	1600W
Rated input voltage range		AC 220V±30%	
Input frequency range		45Hz~60Hz	
AC input shunt		1 channel	
AC output voltage		AC220V	
AC output shunt		2 or more channel AC output, Brand air switch	
Dimensions	Width	550 mm	630 mm
	Height	600mm	900 mm
	Depth	240 mm	460 mm
2. Function Description			
Installation method		Landing, pole, wall hanging installation and installation kit	
Security requirements		With anti-theft lock	
Lightning protection requirements		C level lightning protection , ≥40KA	
Cabinet protection level		≥IP55	
Alarm and protection		Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
3. Working Condition			
Cooling mode		Air cooling	
Altitude		≤4000m	
Humidity		5%-95%	
Operating temperature	Charge	-5 C~+45 C	
	Discharge	-20 C~+50 C	
Recommended operating temperature	Charge	+15 C~+35 C	
	Discharge	+15 C~+35 C	
	Storage	-10 C~+35 C	

Note: the battery and UPS can be selected according to the need of the actual load.

