

SDA10-4850

Lithium iron phosphate (LFP) battery



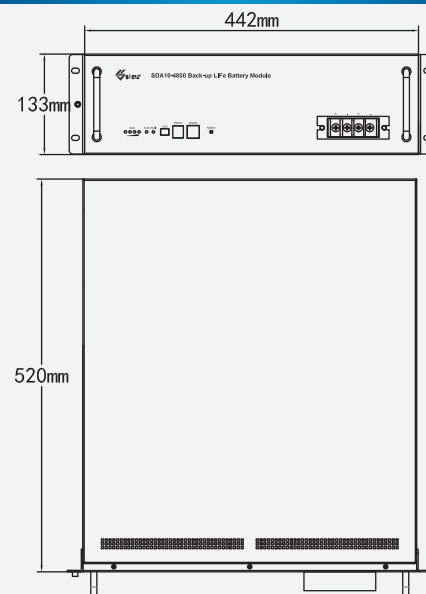
Brief Introduction :

LFP battery system is a high-tech product, it's manufactured and developed successfully by Shuangdeng Group, The product is mainly used in backup power of telecommunication field. It can be used in parallel.

Attain certificate:

- ISO9001
- ISO14001
- CE
- UL
- TUV

Dimensions:



Production feature :

- * Battery's positive pole using LiFePO4 material with high cycling life and good security feature.
- * The battery system using high performance battery management system(BMS).
- * Automatic Management of charging and discharging , supervision unit automatically measure the batteries' charging and discharging current, and management the batteries' float charge and boost charge.
- * Small in volume and light in weight, reduce about 50% (compared with LA Battery).
- * The battery system has a good electromagnetic compatibility.
- * It also can communication with the remote central control center.
- * Flexible configuration:multi modules can be parallel connected to last long the backup time.
- * Wide operating temperature range from -20°C to 65°C
- * Excellent high temperature performance, due operating at +40°C reduce running time of the air-conditioning and consequently the energy costs.

Basic parameter :

Model	Rated voltage (v)	Rated capacity(Ah)	Body size (do not include the handle) (mm)	weight(kg)
SDA10-4850	48	50	442 (wide) ×133 (high) ×520 (deep) /545 (total)	About 39.2

Charging parameter :

Model	Charging voltage(DCV)		Charging current(A)
	Float voltage(DCV)	Boost voltage(DCV)	
SDA10-4850	53~54 (suggest 53.5)	55~56.4 (suggest 56.4)	Charging current limit 10(max25, Before the delivery can be adjusted)

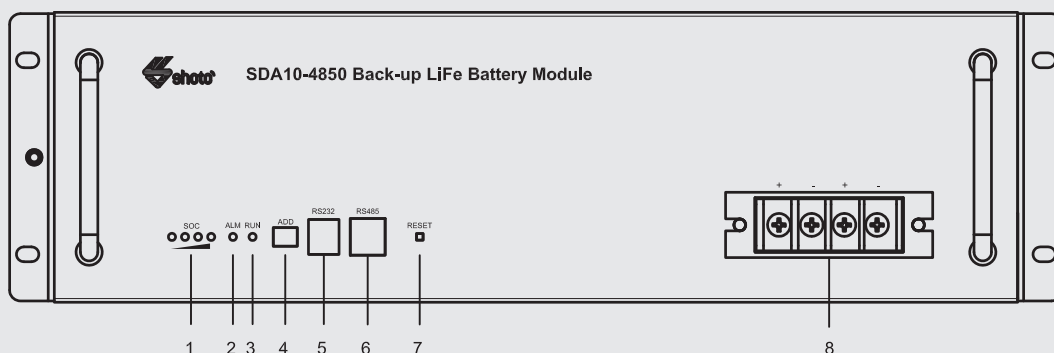
Discharging parameter :

Model	Discharging voltage(DCV)	Discharging current(A)
SDA10-4850	40~56.4	≤50

Using environment :

Number	Items	Qualification	Unit	Remarks
1	Charging temperature	-20~+65	°C	Suggestion tem: -15 ~+50°C
2	Discharging temperature	-20~+65	°C	Suggestion tem: -15 ~+50°C
3	Store temperature	-30~+70	°C	≤+30°C@≤6 months ≤+45°C@≤3 months >45°C@≤1 month
4	relative humidity	5~95	%	No condensation, battery system normally working
5	height	4000	m	if altitude above 2000m, the max working temperature decrease 1°C every 200m.can't higher than 4000m
6	environment	Using in no electric conduction dust and corrode gas place		

SDA10-4850 LFP battery panel instruction :



- 1 — battery capacity light(SOC)
- 2 — Alarm light(ALM)
- 3 — Run light, indicate system operation state
- 4 — Address Dial Number(ADD)

- 5 — Up-link communication(RS232)
- 6 — Cascading Telecommunication(RS485)
- 7 — “RESET”key
- 8 — power interface

* Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.