

## Production advantage

- ▶ No noise, no pollution, clean environmental protection and easy to transport of the product can be used instead of diesel generator in the field of energy storage.
- ▶ The product outfit parallel line and output line, use the standard connector, support parallel, and it can replace the traditional connection mode to use safely and conveniently.
- ▶ The product adopt integrated operation panel design, all operations on the panel, it is convenient and effective.
- ▶ The product of heat dissipation performance is great, it has ventilation holes on the bottom of box and on the panel.
- ▶ The product has management control system, it can improve the efficiency of battery, also has the RS232 and RS485 communication interface, support communication and remote monitoring to realize the unattended.
- ▶ We can be equipped with GPS location and display function, it can show the product parameters such as voltage, current, capacity.

## Application scenarios

- ▶ Mobile communication equipment
- ▶ Micro base station communication equipment
- ▶ Adventure, camping and fishing and other outdoor activities
- ▶ Emergency rescue, important meetings and important activities



## Brief introduction

Portable Li-ion battery product is a high-tech product, first developed successfully by Shuangdeng Group Co., Ltd (Oversea Brand "Shoto") in China. It is integration, miniaturization, light-duty, intelligent, easy to use, energy conservation and environmental protection etc. The product is widely used in remote access equipment, mobile communication equipment, transmission equipment, satellite ground stations and microwave communications equipment, and other areas of the communication as an emergency backup power supply.

The product adopt of AC power supply emergency access way, online access without interruption. And have the standard interfaces that are AC input, the AC and DC output, they can be use of AC or DC load for electrical requirements in the different scenarios; And product is designed by portable aluminum alloy rod box which is high strength, beautiful appearance, convenient handling. In addition, it can adapt to  $-20\text{ }^{\circ}\text{C} \sim +50\text{ }^{\circ}\text{C}$  condition to work; The lithium iron phosphate battery not only has high specific energy, small volume, light weight, long cycle life, but also has the battery overcharge, discharge protection, over current, short circuit, over temperature, monomer battery overcharge and discharge protection, etc.

Passion for Storage  
and Green Energy

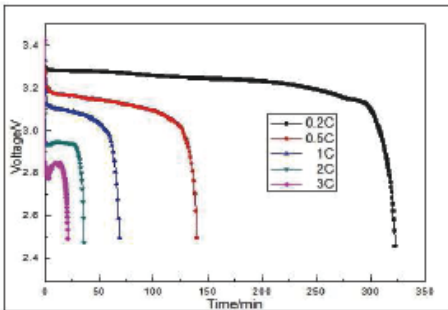


## Technical parameters

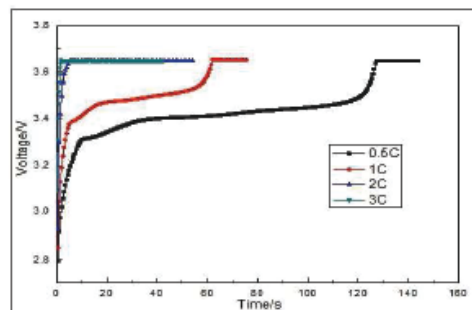
Specifications	SD4850DC	SD4850DC 2KAC	SD4850DC 3KAC	SD48100DC	SD48100DC 2KAC	SD48100DC 3KAC
Voltage (V)	48	48	48	48	48	48
Capacity (Ah)	50	50	50	100	100	100
Maximum discharge current (A)	50	50	50	50	50	50
Overall dimensions (mm) (length x Width x height)	485*165*515	485*205*515	485*205*515	510*280*780	510*330*780	510*330*780
Weight (kg)	31	39	40	56	65	65
Maximum Dc output (W)	2400	2400	2400	4800	4800	4800
Maximum Ac output (W)	—	1500	2000	—	1500	2000
GPS Location	Optional	Optional	Optional	Optional	Optional	Optional
LCD Monitor	Optional	Optional	Optional	Optional	Optional	Optional

## Performance curve

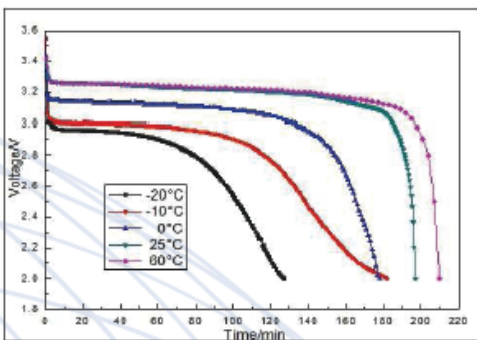
Monomer charging characteristic curve (25 °C)



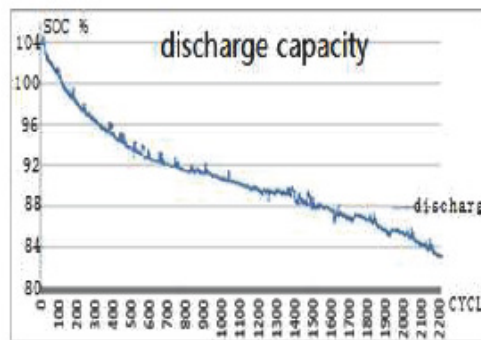
Monomer discharge characteristic curve (25 °C)



Capacity curve under different temperature



Discharge cycle curve (0.5C 100%DOD)



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.

