SunRays

raise with rays

High voltage lithium iron phosphate battery

Product Introduction

SR-HV series battery products are high-voltage and large-capacity systems developed for industrial and commercial emergency power supply, peak shaving and valley filling, and power supply in remote mountainous areas, islands and other areas without electricity or weak electricity. It uses lithium iron phosphate cells and a customized BMS system to effectively manage the cells. Compared with traditional batteries, it has better product performance and safety and reliability. Diversified communication interfaces and software protocol libraries enable the battery system to directly match and communicate with all mainstream inverters on the market. The product has many charge and discharge cycles, high power density, and a service life of more than 10 years. Unique designs and innovations have been made in compatibility, energy density, dynamic monitoring, safety, reliability, and product appearance, which can bring users a better energy storage application experience.

- Modular design, automatic identification of ID code, saving installation space
- One-button power on and off, convenient installation and maintenance, easy operation
- Each cluster is equipped with a touch screen to intuitively display the operating status
- Strong compatibility, can be seamlessly connected with UPS, photovoltaic power generation and other main equipment
- The communication interface is diversified, CAN/RS485/dry contact, etc. can match various inverters, and can also be customized according to customer needs to facilitate remote monitoring of the system
- Standard cycle life over 6000 cycles 90% DOD.
- 7 years warranty 70% EOL.

Product technical parameters:

Model	SR 192100	SR 192200	SR 192300	SR 288100	SR 288200	SR 288300
Type of core	Lithium iron phosphate					
Rated energy (KWH)	19.2	38.4	57.6	28.8	57.6	86.4
Nominal capacity (AH)	100	200	300	100	200	300
Nominal voltage (VDC)	192			288		
Operating voltage range (VDC)	174~213			260~319.5		
Recommended Charge Voltage (VDC)	207			310		
Recommended discharge cutoff voltage (VDC)	180			270		
Standard charging current (A)	50	100	150	50	100	150
Maximum continuous charge current (A)	100	200	300	100	200	300
Standard discharge current (A)	50	100	150	50	100	150
Maximum continuous discharge current (A)	100	200	300	100	200	300
Working temperature	-20~65℃					
Protection level	IP20					
Communication interface	RS485/CAN two choose one					
Reference weight (Kg)	240	440	640	340	640	930
Reference size (D*W*H mm)	530*680*950	530*680*1510	530*680*2080	530*680*1230	530*680*2080	1060*680*1510
Certificate	CE / UN38.3 / MSDS					

DC usable energy , test condition: 90% DOD 0.2C charge and discharge at 25 degree, system usable energy may varie du to system configuration parameters
The current is affected by temperature and SOC
The warranty is due whichever reached first of warranty period or life cycle power
The product is Made in China