LIFEPO4 LITHIUM BATTERY

Stacked lithium Battery

Product introduction

This product is composed of high-quality lithium iron phosphate cells (by series and parallel) and advanced BMS management system. It can be used as an independent DC power supply or as a "basic unit" to form a variety of energy storage lithium battery power systems. High reliability and longer life. It can be used as backup power supply of communication base station, backup power supply of digital center, household energy storage power supply, industrial energy storage power supply, etc. It can be seamlessly connected with main equipment such as UPS and photovoltaic power generation.

Performance characteristics

- Small size and light weight
- Maintenance-free
- Standard cycle life is more than 5000 times
- Accurately estimate the state of charge of the battery pack, that is,the remaining power of the battery, to ensure that the power of the battery pack is maintained within a reasonable range
- Multiple in parallel, easy for expand
- Easy for installation and maintenance

Technical parameters

Model	GBP24-100R	GBP24-200R	GBP48-100R	GBP48-200R	GBP51.2-100R	GBP51.2-200R
Nominal voltage(V)	25.6		48		51.2	
Nominal capacity(Ah)	100	200	100	200	100	200
Nominal energy(kWh)	2.56	5.12	4.8	9.6	5.12	10.24
Working voltage range(V)	22.4~29.2		42~54.75		44.8~58.4	
Recommended charging voltage(V)	27.6		51.75		55.2	
Recommended discharge cut-off voltage(V)	24		45		48	
Standard charge/discharge current(A)	0.5C					
Maximum continuous charge/discharge current(A	1C（Customizable）					
Applicable temperature(℃)	-30～60（recommend10～35）					
Allowable humidity range(%RH)	85					
Storage temperature(℃)	-20～65（recommend10～35）					
Protection level	IP20					
Cooling method	Natural air cooling/smart fan					
Cycle times	80% DOD 下 5000+number					
Maximum size (depth*width*height)mm	689*495*162		689*495*162	682*510*246	689*495*162	682*510*246
weight(kg)	28	49	46	89	49	93

Note: The above data is for reference only and subject to change without prior notice. Customization requirements for Bluetooth, 1C charging and discharging require communication with engineers.