

## ***Rack-mounted lithium iron phosphate battery GBP24V/48V(50AH/100AH)***

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PVSYS ENERGY GROUP LIMITED is the professional manufacturer of solar panel, solar system and solar lighting.

We are not only offer these solar products, but also offer the whole complete solar system to our customers. With our professional solution and best offer, customers can save their total cost of the whole solar system.

We made our system in modularity, it is easy for our customers to maintain the system and it is easy for us to offer the best after sales service.

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### **Introduction:**

This product is composed of high-quality lithium iron phosphate batteries (by series and parallel) plus an advanced BMS battery management system. It can be used as an independent DC power supply or as a "basic unit" to form a variety of specifications of energy storage lithium battery power systems. High reliability and long life. It can be used as a backup power supply for communication base stations, a backup power supply for a digital center, a home energy storage power supply, an industrial energy storage power supply, etc.

### **Performance characteristics:**

The product adopts modular design, higher integration, and saves installation space; adopts high-performance lithium iron phosphate cathode material, good battery core consistency, and designed service life of more than 10 years; one-key switch machine, front operation, front wiring, convenient installation Convenient maintenance and operation; diverse functions, over-temperature alarm protection, over-charge and over-discharge protection, short-circuit protection; strong compatibility, can be seamlessly connected with UPS, photovoltaic power generation and other main equipment; various forms of communication interfaces, CAN/RS485, etc. can be based on Customized according to customer needs to facilitate the flexible use of system remote monitoring. High-energy, low-power lithium battery equipment achieves higher energy supply, lower energy consumption, and reduces environmental pollution; adopts all-round, multi-level battery protection strategies and fault isolation measures to ensure the safe operation of the system.

1. Small size and light weight
2. Maintenance-free
3. Environmental protection and pollution-free materials, no heavy metals, green and environment al protection
4. The standard cycle life exceeds 5000 times
5. 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
6. Built-in BMS management system with comprehensive protection and monitoring and control Functions

Model	GBP24V-50AH	GBP24V-100AH	GBP48V-50AH	GBP48V-100AH
Nominal volt (V)	24		48	
Nominal capacity (AH)	50	100	50	100
Working volt range	22.4-30		42-56.25	
Recommend charging volt (V)	27.6		51.75	
Recommend discharging cutoff volt (V)	24		45	
Standard charging current(A)	25	50	25	50
Max. Constant charging current(A)	50	100	50	100
Standard discharging current (A)	25	50	25	50
Max. Discharging current (A)	50	100	50	100
Temperature (°C)	-30°C~60°C(Recommend 10°C~35°C)			
Allowable humidity range	0~85% RH			
Storage temperature (°C)	-20°C~65°C(Recommend 10°C~35°C)			
Protection	IP20			
Cooling method	Natural air cooling			
Maximum Dimension (W*D*H) mm	482.6*360*175	482.6*535*175	482.6*360*175	482.6*535*175
Net Weight	15KG	28.5KG	28.5KG	52.5KG