



## LOW VOLTAGE SERIES LITHIUM BATTERY MODULE

Power wall type lithium iron phosphate battery

### Product introduction

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



### Performance characteristics

- Wall-hanging installation, save space
- Multiple in parallel, easy for expand, Automatic addressing, no need to dial a code
- Standard configuration with LCD display, real time knowing battery status, Screen direct selection of inverter communication
- Environmentally friendly non-polluting materials, free of heavy metals, green and environmentally friendly
- Standard cycle life is more than 5000 times
- Remote viewing of errors and online software upgrades



### Technical parameters

Type	48V-100AH-W ( Voltage Optional 51.2V )	48V-200AH-W ( Voltage Optional 51.2V )
Nominal voltage(V)	48	
Nominal capacity(AH)	105	210
Nominal energy capacity(kWh)	5	10
Operating voltage range	42-54.75	
Recommended charging voltage(V)	52.5	
Recommended discharge cut-off voltage(V)	45	
Standard charging current(A)	50	100
Maximum continuous charging current(A)	100	200
Standard discharge current(A)	50	100
Maximum discharge current(A)	100	200
Applicable temperature(°C)	-30 ~ 60(Recommended 10 ~ 35)	
allowable humidity range	0 ~ 95% No condensation	
Storage temperature(°C)	-20 ~ 65(Recommended 10 ~ 35)	
Protection level	IP20	
cooling method	Natural air cooling	
Life cycles	5000+ times at 80% DOD	
Maximum size(D×W×H)mm	628x410x186	682x465x276
Weight(kg)	45.7	89.6

Note: The above data are reference data and are subject to change without prior notice. Customized requirements such as special voltage, Bluetooth, 1C charging and discharging, motherboard over-current > 120A, etc. need to be communicated with engineers.