

# FLB Series 5.12kWh Low Voltage Battery System



Adapts to multi-brand inverters



Cell-level active equalization

## BMS

Multiple electrical protection settings for safer use

## 4 Ways Mounting

Compatible with 4 types of mounting (floor mount, wall mount, stacked mount, rack mount)

## Max. 16 Parallel

Supports parallel use of multiple devices (-imited to ---2)

## 100A

Supports a Max. charge/discharge current of -00A

Model	FLB-512	FLB-512-24
<b>Electrical Parameter</b>		
Battery Type	LiFePO <sub>4</sub>	
Battery Capacity per Kit [Wh]	5.12kWh	
Usable Energy [Wh]	4.6kWh	
Rated Voltage [V]	51.2V	25.6V
Voltage range [V]	44.8V~57.6V	22.4V~28.8V
Max. Charging and Discharging Rate	1C	
Max. Charging and Discharging Current	100A	200A
Depth Of Discharge [DOD]	≤90%	
Cycle Life (25°C ,0.5C)	≥6,000 cycles at 80% DOD, with ≥80% capacity retention (EOL).	
Scalability (Parallel)	Max.16 Parallel	No
<b>General Data</b>		
Communication Mode	RS485/CAN2.0	
Operating Temperature Range	0~50°C (Charge)/-10~55°C (Discharge)	
Storage Temperature Range	-15°C~60°C	
Cooling Method	Natural Convection	
Altitude	≤3000m	
Ambient Humidity	20-95% non-condensing	
Noise[dBA]	<25	
Ingress Protection	IP54	
Dimensions [H*W*D]	500*440*135mm	
Weight	45kg	
Installation Methods	Floor Standing, Wall Mounted, Rack Mounted, Stacked Mounting	