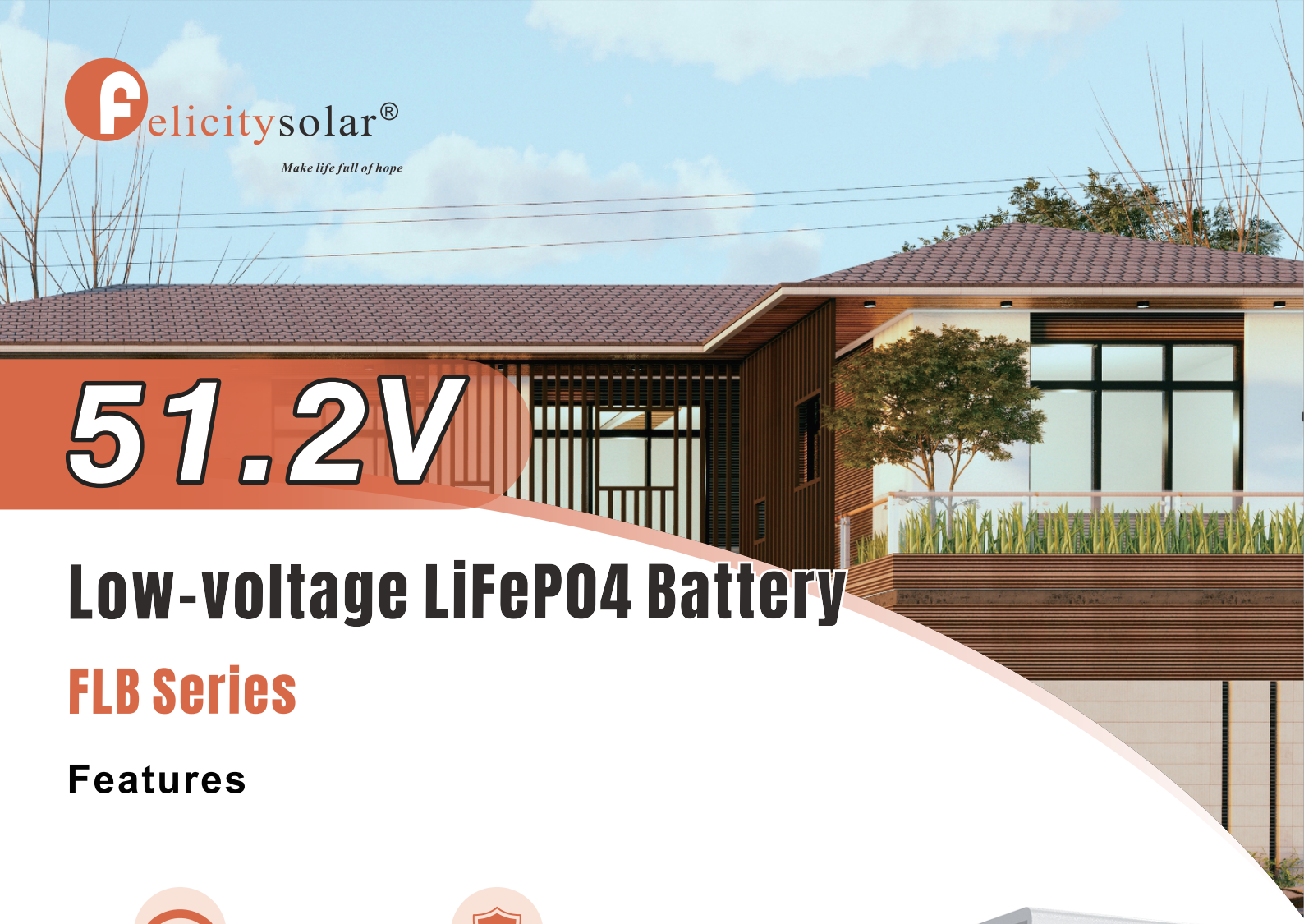
Felicitysolar®

Make life full of hope



51.2V

Low-voltage LiFePO4 Battery

FLB Series

Features

- Remote Monitoring via FSolar APP
- IP65-rate Protection
- Peace of Mind with Fire Protection Module
- CCS Technology for More Stable Performance
- Max.32 Units in Parallel
- Easy Fuse Replacement Design



FLB48100/230WG1
FLB48100/48230WG1-H

FLB48314TG1
FLB48314TG1-H

Guangzhou Felicity Solar Technology Co.,Ltd.

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No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun International Airport)**

Official Website

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Model	FLB48100WG1/ FLB48100WG1-H	FLB48230WG1/ FLB48230WG1-H	FLB48314TG1/ FLB48314TG1-H
Battery Type	LiFePO4		
Nominal Energy	5.12kWh	11.7kWh	16kWh
Nominal Capacity	100Ah	230Ah	314Ah
Nominal Voltage	51.2V		
Operating Voltage	44.8~57.6V		
Recommend Charge/Discharge Current	50A	100A	80A
Max. Continuous Charge/Discharge Current[1]	100A	150A	160A
Peak Charge/Discharge Current(15s)	150A	200A	300A
Scalability	Max. 32 pcs in Parallel(163.84kWh)	Max. 32 pcs in Parallel(374.4kWh)	Max. 32 pcs in Parallel(512kWh)
Depth of Discharge(DOD)	⩾95%		
Display Type	LED		
Protection Degree	IP65		
Working Temperature Range	FLB48100WG1 Charge: 0°C~+55 °C Discharge: -20°C~+55 °C FLB48100WG1-H Charge/Discharge: -20°C~+55 °C	FLB48230WG1 Charge: 0°C~+55 °C Discharge: -20°C~+55 °C FLB48230WG1-H Charge/Discharge: -20°C~+55 °C	FLB48314TG1 Charge: 0°C~+55 °C Discharge: -20°C~+55 °C FLB48314TG1-H Charge/Discharge: -20°C~+55 °C
Storge Temperature Range	0°C~+35°C		
Humidity	5%~95%		
Altitude	⩽ 2000m		
Communication	RS485/CAN		
Cycle Life	⩾6,000 Cycles (25°C +2°C,0.5C/0.5C,90%DOD,70%EOL)		⩾8,000 Cycles (25°C +2°C,0.5C / 0.5C,90%DOD,70%EOL)
Installation	Wall-Mounted / Floor-Mounted		Floor-Mounted
Protection	Built-in smart BMS, Breaker, Fuse		
Warranty Period	10 Years		
Certification	UN38.3		
Product Weight	48.5KG	91KG	121KG
Package Weight	53KG	111KG	143KG
Product Dimension	450X174X650MM	450X258X683MM	450X235X895MM
Package Dimension	552X253X752MM	548X438X778MM	548X424X958MM

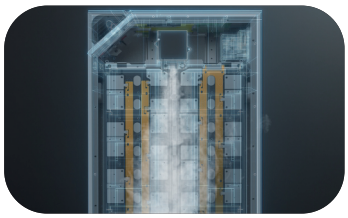
[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

*Product specifications may vary during continuous improvements. Please contact us for latest details.
*Refer to Felicitysolar's Warranty Policy for applicable conditions.

Product Display



Patented External Fuse Design



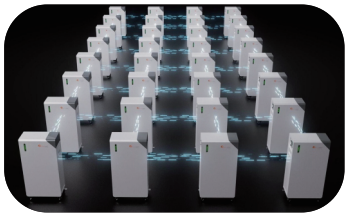
Aerosol Fire Extinguishing System



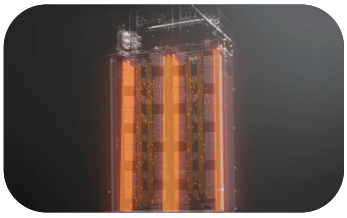
IP65 Protection Level



Built-in WiFi/Bluetooth for Remote Monitoring



Scalable expansion up to 32 pcs in parallel



Optional Thermal Module (FLB48100WG1-H~ FLB48314TG1-H model)

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