

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



FLB48100/48205/230WG1
FLB48100/48230WG1-H

FLB48314TG1
FLB48314TG1-H



Model	FLB48100WG1/ FLB48100WG1-H	FLB48205WG1	FLB48230WG1/ FLB48230WG1-H	FLB48314TG1/ FLB48314TG1-H
Battery Type	LiFePO4			
Nominal Energy	5.12kWh	10.5kWh	11.7kWh	16kWh
Nominal Capacity	100Ah	205Ah	230Ah	314Ah
Nominal Voltage	51.2V			
Operating Voltage	44.8~57.6V			
Recommend Charge/Discharge Current	50A	100A	100A	80A
Max. Continuous Charge/Discharge Current[1]	100A	150A	150A	160A
Peak Charge/Discharge Current(15s)	150A	200A	200A	200A
Scalability	Max. 32 pcs in Parallel(163.84kWh)	Max. 32 pcs in Parallel(336kWh)	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	Charge: 0°C~+55 °C 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
Storage 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
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	86.5KG	91KG	121KG
Package Weight	53KG	106KG	111KG	143KG
Product Dimension	650X450X174MM	683x450x258 mm	683X450X258MM	895X450X235MM
Package Dimension	752X552X253MM	778x548x438 mm	778X548X438MM	958X548X424MM

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

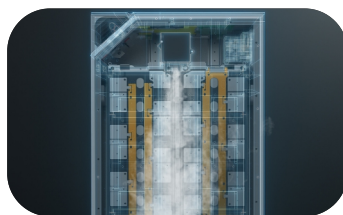
*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

Product Display



Patented External Fuse Design



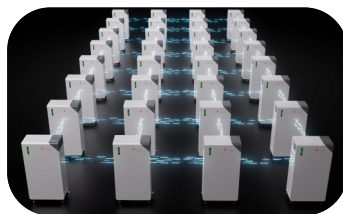
Aerosol Fire Extinguishing System



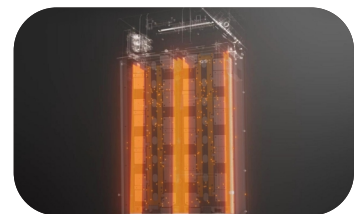
IP65 Protection Level



Built-in WiFi/Bluetooth
for Remote Monitoring



Scalable expansion up to
32 pcs in parallel



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

Guangzhou Felicity Solar Technology Co.,Ltd.



www.felicitysolar.com



sales@felicitysolar.com



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



Official Website



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