

51.2V

LiFePO4 Battery Pack

FLB Series

Features

- Remote monitoring of battery pack data via built-in WiFi/Bluetooth.
- LiFePO4: Higher safe performance and longer cycle life.
- High-rate charging/discharging delivers fast energy flow and sustained power.
- CCS welding lowers battery internal resistance for enhanced performance.
- Equipped with an aerosol fire extinguishing system.
- Scalable expansion up to 32 pcs in parallel.
- Multiple Protection with built-in smart BMS, breaker and fuse.
- Compatible with leading inverter brands.
- Resist harsh environment with IP65-rate protection.
- Easily replace the battery fuse when it blows.



FLB48314TG1

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 Airport)**

Official Website Facebook

Model	FLB48314TG1
Battery Type	LiFePO4
Nominal Energy	16kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommend Charge/Discharge Current	80A
Max. Continuous Charge/Discharge Current[1]	160A
Peak Charge/Discharge Current(15s)	200A
Scalability	Max. 32 pcs in Parallel(512kWh)
Depth of Discharge(DOD)	≥95%
Display Type	LED
Protection Degree	IP65
Working Temperature Range	Charge: 0°C~+55 °C
	Discharge: -20°C~+55 °C
Storge Temperature Range	0°C~+35°C
Humidity	5%~95%
Altitude	≤ 2000m
Communication	RS485/CAN
Cycle Life	≥8,000 Cycles
Installation	Floor-Mounted
Protection	Built-in smart BMS, Breaker, Fuse
Warranty Period	10 Years
Certification	UN38.3
Product Weight	121KG
Package Weight	143KG
Product Dimension	895X450X235MM
Package Dimension	958X548X424MM

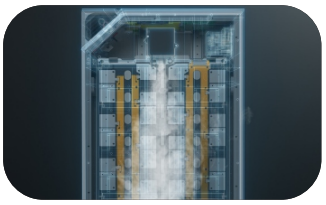
[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

*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



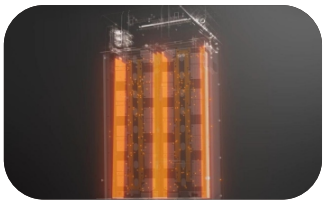
Aerosol Fire Extinguishing System



IP65 Protection Level



Built-in WiFi/Bluetooth for Remote Monitoring



Optional Thermal Module



Scalable expansion up to 32 pcs in parallel