

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



FLB48314TG1-H



Model	FLB48314TG1-H
Battery Type	LiFePO4
Nominal Energy	16kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommend Charge/Discharge Current	110A
Max. Continuous Charge/Discharge Current[1]	160A
Peak Charge/Discharge Current(15s)	300A
Scalability	Max. 32 pcs in Parallel(512kWh)
Depth of Discharge(DOD)	≥95%
Display Type	LED
Protection Degree	IP65
Working Temperature Range	Charge/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.

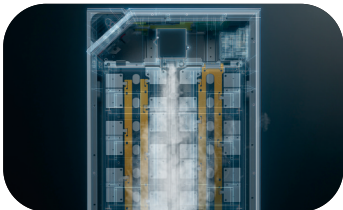
*Product specifications may vary during continuous improvements. Please contact us for latest details.

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

Product Display



Patented External Fuse Design



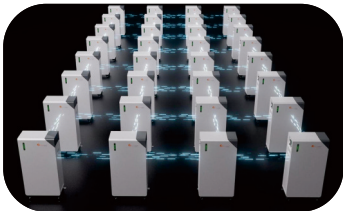
Aerosol Fire Extinguishing System



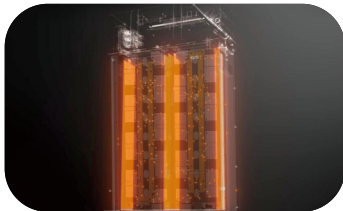
IP65 Protection Level



Built-in WiFi/Bluetooth
for Remote Monitoring



Scalable expansion up to
32 pcs in parallel



Optional Thermal Module

