

# 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**



| 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<br>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            |
| Storage 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.

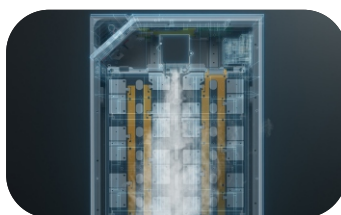
\*Product specifications may vary during continuous improvements. Please contact us for latest details.

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

## Product Display



Patented External Fuse Design



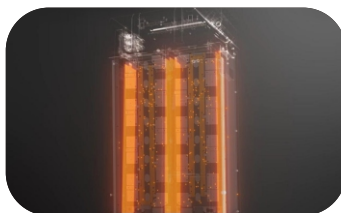
Aerosol Fire Extinguishing System



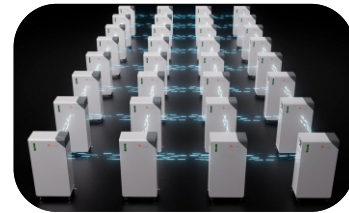
IP65 Protection Level



Built-in WiFi/Bluetooth  
for Remote Monitoring



Optional Thermal Module



Scalable expansion up to  
32 pcs in parallel

**Guangzhou Felicity Solar Technology Co.,Ltd.**

 [www.felicitysolar.com](http://www.felicitysolar.com)
 [sales@felicitysolar.com](mailto:sales@felicitysolar.com)

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



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