

5.12kWh



51.2V 100Ah

**51.2V 100Ah 5.12kWh**

B-LFP48-100E 51.2V 5.12kWh with 100A internal BMS. Composed of (16) UL listed prismatic 3.2V LiFePO<sub>4</sub> cells in series which have been tested at 6000 deep discharge cycles to 90% DOD – fully charge and discharge this battery daily for over 15 years without issue.



Modular and scalable



More compact design



Better price, bigger capacity



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL standard battery pack



High cycle life and deep cycle capability



Safe and reliable LiFePO<sub>4</sub>

|                                     |                                                        |                    |
|-------------------------------------|--------------------------------------------------------|--------------------|
| Item                                | General Parameter                                      |                    |
| Model                               | B-LFP48-100                                            |                    |
| Battery Type                        | LiFePO4                                                |                    |
| Nominal Voltage (V)                 | 51.2                                                   |                    |
| Nominal Capacity (wh)               | 5120                                                   |                    |
| Usable Capacity (wh)                | 4608                                                   |                    |
| Cell & Method                       | 16S1P                                                  |                    |
| Dimension(mm)(W*H*D)                | 538*483(442)*136                                       |                    |
| Weight(Kg)                          | 46                                                     |                    |
| Discharge Voltage (V)               | 47                                                     |                    |
| Charge Voltage (V)                  | 55                                                     |                    |
| Charge                              | Rate. Current / Power                                  | 50A / 2.56kW       |
|                                     | Max. Current / Power                                   | 80A / 4.096kW      |
|                                     | Peak Current / Power                                   | 110A / 5.632kW     |
| Discharging                         | Rate. Current / Power                                  | 100A / 5.12kW      |
|                                     | Max. Current / Power                                   | 120A / 6.144kW, 1s |
|                                     | Peak Current / Power                                   | 150A / 7.68kW, 1s  |
| Communication                       | RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional) |                    |
| Depth Of Discharge(%)               | 90%                                                    |                    |
| Expansion                           | Up to 63 units in parallel                             |                    |
| Working Temperature                 | Charge                                                 | 0~55°C             |
|                                     | Discharge                                              | -20~55°C           |
| Storage Temperature                 | 0~35°C                                                 |                    |
| Short Circuit Current/Duration Time | 350A, Delay time 500μs                                 |                    |
| Cooling Type                        | Nature                                                 |                    |
| Protection Level                    | IP20                                                   |                    |
| Monthly Self-discharge              | ≤ 3%/month                                             |                    |
| Humidity                            | ≤ 60% ROH                                              |                    |
| Altitude(m)                         | < 4000                                                 |                    |
| Warranty                            | 10 Years                                               |                    |
| Design Life                         | > 15 Years (25°C / 77°F)                               |                    |
| Cycle Life                          | > 6000 cycles, 25°C                                    |                    |
| Certification & Safety Standard     | UN38.3                                                 |                    |



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