

5.12kWh



51.2V 100Ah

B-LFP48-100E rack batteries are made from a deep cycle prismatic LiFePO4 battery with a capacity of 5.12kWh that combines proprietary architecture, circuitry, assembly methods, and modular, lightweight, and battery management systems (BMS). They are scalable for applications ranging from residential, commercial, and industrial energy storage to telecom base station installations. **When used with a BSL inverter, you receive 12 years of warranty service and technical support for the battery portion!**



Modular and scalable



≥6000 cycles @80% DOD



Better price, bigger capacity



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL Standard Battery Pack



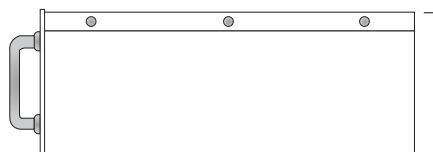
High cycle life and deep cycle capability



Safe and reliable LiFePO4



483



177

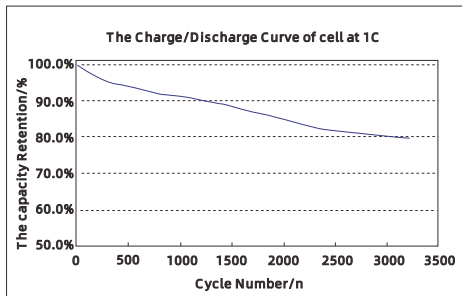
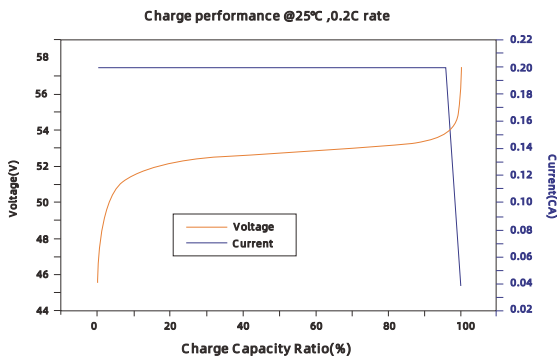
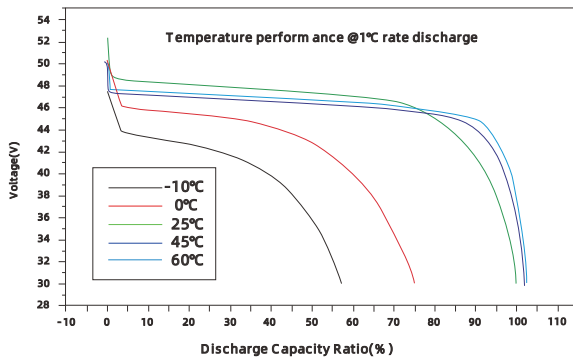
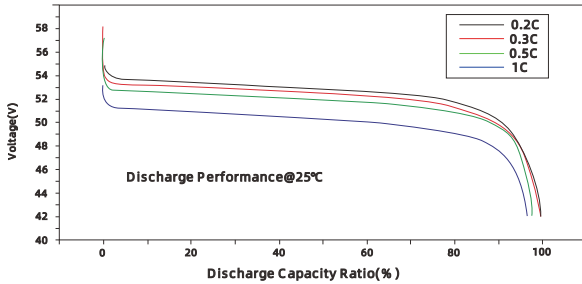


495

Best solutions for residential and commercial



UN38.3
transportation safety
certification



ELECTRICAL SPECIFICATIONS

| | |
|------------------|----------------|
| Nominal Voltage | 51.2V (16S1P) |
| Nominal Capacity | 100 AH |
| Energy | 5120 Wh |
| Usable Capacity | 4966 Wh |
| Self Discharge | < 1% per Month |

DISCHARGE SPECIFICATIONS

| | |
|-----------------------------------|---------|
| Max. Continuous Discharge Current | 100 A |
| Peak Discharge Current | 100 A |
| Standard Discharge Current | 50 A |
| Voltage At End Of Discharge | 43.2 V |
| Maximum Continuous Discharge Rate | 5.12 kW |

TEMPERATURE SPECIFICATIONS

| | |
|-----------------------|------------|
| Discharge Temperature | (-20~60°C) |
| Charge Temperature | (0~55°C) |
| Storage Temperature | (-20~55°C) |

MECHANICAL SPECIFICATIONS

| | |
|------------------------|---------------------|
| Dimensions (L x W x H) | About 495*483*177MM |
| Weight | About 46 KG |
| Case Material | Steel |
| Cell Type | Prismatic |
| Chemistry | LiFePO4 |
| IP level | IP54 |

CHARGE SPECIFICATIONS

| | |
|----------------------------|--------|
| Recommended Charge Current | 50 A |
| Maximum Charge Current | 95 A |
| Recommended Charge Voltage | 56.2 V |
| Charge mode | CC/CV |

COMPLIANCE SPECIFICATIONS

| | |
|-------------------------|----------------|
| Certifications | CEC, UL1973 |
| | CE, ROHS 2.0 |
| | IEC62619 |
| Shipping Certification | UN38.3 |
| Shipping Classification | UN3480, CLASS9 |