

# LC 300 Slim LT



LiFePO<sub>4</sub> Battery | 12,8 V | 300 Ah | 3840 Wh | Bluetooth function



## Technical Specifications

|                  |                        |
|------------------|------------------------|
| Nominal Voltage  | 12.8V                  |
| Nominal Capacity | 300Ah                  |
| Capacity @ 25 A  | 720 minutes            |
| Energy           | 3840Wh                 |
| Resistance       | ≤10mΩ                  |
| Self Discharge   | <3% / month            |
| Cell Type        | LiFePO <sub>4</sub>    |
| Certificates     | CE, UN38.3, RoHS, IP55 |

## Mechanical Specifications

|                    |  |
|--------------------|--|
| Dimensions (L×W×H) | 466 × 166 × 320 mm   |
| Approx. Weight     | 32.0kg   |
| Terminals          | M8 and SAE round<br>2 × 12V Anderson (50A)<br>12V car cigarette lighter outlet<br>1 × USB-A, 1 × USB-C |
| Case Material      | Metal  |

## Discharge Specifications

|                                    |                   |
|------------------------------------|-------------------|
| Max. Continuous Discharge Current  | 250A              |
| Peak Discharge Current             | 350A (15s±5s)     |
| BMS Discharge Cut-Off Current      | 2000A (<1s)       |
| Recommended Low Voltage Disconnect | 11V               |
| BMS Discharge Cut-Off Voltage      | <10V (2.5V/cell)  |
| Reconnect Voltage                  | >11.2V(2.8V/cell) |
| Short Circuit Protection           | 200 to 600 μs     |

## Charge Specifications

|                             |                    |
|-----------------------------|--------------------|
| Recommended Charge Current  | ≤50A               |
| Maximum Charge Current      | 100A               |
| Recommended Charge Voltage  | 14.6V              |
| BMS Charge Cut-Off Voltage  | 15V (3.75V/cell)   |
| Over-charge release         | <14.4V (3.6V/cell) |
| Float charge voltage        | 13.8V              |
| Maximum Batteries in Series | 4                  |

## Temperature

|                              |             |
|------------------------------|-------------|
| Discharge Temperature        | -20 to 60°C |
| Charge Temperature           | -30 to 45°C |
| Storage Temperature          | -10 to 45°C |
| BMS High Temperature Cut-Off | 65°C        |
| Reconnect Temperature        | 50°C        |

## Dimensions

