

PB-Li 12-100 D



POWER BOOST



high power **battery series**

LFP LiFePO₄
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

| | |
|-----------------------------|-------------|
| Nominal Voltage | 12,8 V |
| Nominal Capacity | 100 Ah |
| Open Circuit Volt. @ 100% | 13,6 V |
| Energy | 1280 Wh |
| Internal Resistance | <10 mΩ |
| Consumption BMS | <100μA |
| Self Discharge | <3% / month |
| Maximal Batteries in Series | 4 |

DISCHARGING

| | |
|------------------------------|----------------------|
| Max. cont. Discharge Current | 100 A |
| Peak Discharge Current | 200 A (7,5 s ±2,5 s) |
| BMS Discharge Cut-Off | 250 A (±50 A) |
| Rec. Low Voltage Cut-Off | 11 V |
| BMS Cut-Off | 10 V |
| Reconnect Voltage | 11,2 V |

TEMPERATURES

| | |
|-----------------------|--------------|
| Discharge Temperature | -20 bis 60°C |
| Charge Temperature | 0 bis 45 °C |
| Storage Temperature | 0 bis 40 °C |

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--------------------------------------|
| Dimensions (LxWxH) | 353 x 175 x 190 mm |
| Weight | 12,0 kg |
| Terminal Type | Automotive Post |
| Torque | 9 - 11 Nm |
| Case Material | ABS |
| Enclosure Protection | IP 56 |
| Cell Type / Chemistry | Cylindrical / LiFePO ₄ |

CHARGING

| | |
|------------------------|---------------|
| Recomm. Charge Current | 50 A |
| Max. Charge Current | 100 A |
| BMS Charge Cut-Off | 250 A (±50 A) |
| Recomm. Charge Voltage | 14,6 V |
| BMS Voltage Cut-Off | 15,0 V |

COMPLIANCE

| | |
|-------------------------|----------------------------------|
| Certificates | CE UN38.3 UL1642 & IEC2133 |
| Shipping Classification | UN 3480, Klasse 9 |

