

# DATA SHEET

KH-LFP-12100

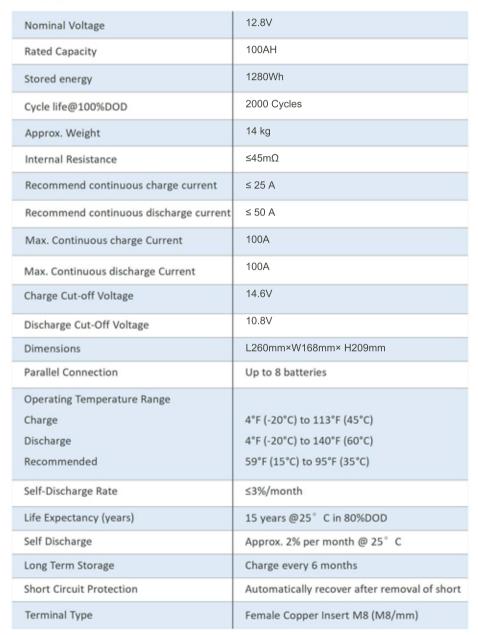
# DIYPOW 12V 100Ah LIFePO4 LITHIUM BATERY

Optional:

Bluetooth

Crafted out of Lithium Iron Phosphate (LiFePO4) technology, this is a battery built to last. With 2,000+ recharge cycles (and up to 7,000 under ideal charging conditions) ,which can provides 5 X the lifespan than your typical SLA battery. Built in smart BMS,which can realize Bluetooth function and battery level display optional. The battery can support 8 units parallel connection.

## SPECIFICATIONS















#### COMPLIED STANDARD

- / IEC 62133
- ✓ UL 1642
- √ ISO9001
- √ ISO14001
- ✓ UN38.3

# INTELLIGENT BMS FUNCTION

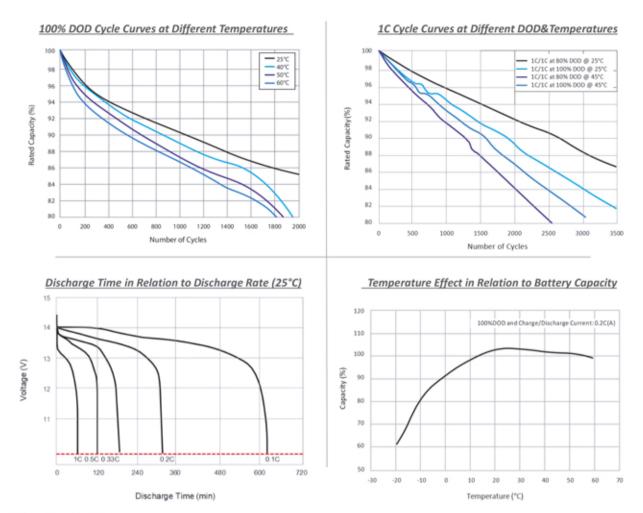
- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Short detection function
- > Temperature detection function
- Balance function

### BLUETOOTH® ENABLED

Monitor the State of Charge (SoC), State of Health (SoH), current, capacity, temperature, number of cycles, and voltage levels of the battery and individual cells from APP.

## APPLICATIONS

AMR AGV Wind Mobility Data Center Transport Sports & Recreation SOLAR



## BENEFITS OF LITHIUM

Lithium offers several performance benefits versus it's sealed lead acid (SLA) equivelant. A lithium battery's capacity is independent from the discharge rate and provides constant power throughout it's discharge. The degradation of a lithium battery at a high temperature is significantly reduced in comparison to SLA. Lithium has ten times the cycle life as SLA at room temperature. Even at an elevated temperature, lithium still has increased cycle life over SLA at room temperature. Lastly, Lithium charging follows a similar charging profile as SLA, Constant Current Constant Voltage (CC/CV). However, lithium can be charged faster, without the need for a maintenance float charge.

#### **BATTERY DIMENSIONS**

