

# VLFP100-□ R□ V100AH

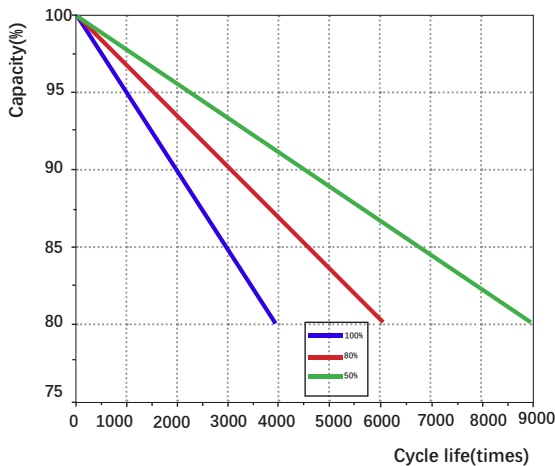
## ■ Specifications



Lithium Iron Phosphate (LiFePO4) Battery

## ■ Physical Dimensions

## ■ Discharge Characteristics



|                            |                            |   |
|----------------------------|----------------------------|---|
| Electrical Characteristics | Nominal Voltage            | rr V  |
|                            | Rated Capacity             | 100AH   |
|                            | Series X Parallel Standard | 1S X 8P   |
|                            | Series X Parallel Maximum  | 1S X 15P  |
|                            | Circuit Protection         | Over charge<br>Over discharge<br>Over current<br>Over temp.<br>Short circuit<br>Balance |
|                            | Cycle Life                 | ≥ 6000 cycles @<br>0 C 80% DOD  |
|                            | Monthly Self Discharge     | Less than 2%  |
|                            | Efficiency of Charge       | rrr % @ r□ C<br>(when used with proper<br>LiFePO4 charger)                              |
| Efficiency of Discharge    | 96 ~ 99% @ 1C              |   |
| Charge                     | Charge Voltage             | rr□ ± 0.2V  |
|                            | Standard Charge Current    | r0A   |
|                            | Max. Charge Current        | 100A  |
| Discharge                  | Std. Discharge Current     | 100A  |
|                            | Max. Continuous Current    | 100A  |
|                            | Discharge Cut-off Voltage  | rr V  |
| Environmental              | Charge Temperature         | 0° C to 55° C (32° F to<br>131° F)<br>at 60 ± 25% Relative<br>Humidity                  |
|                            | Discharge Temperature      | -20° C to 60° C (-4° F to<br>140° F)<br>at 60 ± 25% Relative<br>Humidity                |
|                            | Storage Temperature        | -20° C to 45° C (-4° F to<br>113° F)<br>at 60 ± 25% Relative<br>Humidity                |
| Mechanical                 | Cell Material              | LiFePO4   |
|                            | Case/IP Class              | Metal Shell/IP20  |
|                            | Dimensions (mm)            | Lrr 0*W44r*H1 rr  |
|                            | Approx. Weight (kg)        | rr .00  |
|                            | Commucation Port           | RS232/CAN/RS485   |
| Optional                   | Extended Functions         | Bluetooth, 4G module  |

\*Warranty: 5years