

## Maxwell<sup>PRO</sup> - Bluetooth 24V 200AH LiFePO<sub>4</sub> Battery

Built in LCD Display

### ELECTRICAL SPECIFICATION

Nominal Voltage	24V (25.6V)
Nominal Capacity	200AH
Capacity @20A	10HR
Energy	5120Wh
Resistance	≤20m Ω
Efficiency	99%
Self-Discharge	< 3% per month
Max. Modules in Series	-

### DISCHARGE SPECIFICATION

Recommended Cont. Discharge	100A
Max. Cont. Discharge Current	200A
Peak Discharge Current	400A(3s)
BMS Discharge Current	500A±100A(10mS)
Recommend Cut-off voltage	19.2V
BMS Discharge Cut-off	18.4V
Short Circuit Protection	200-600 μs

### CHARGE SPECIFICATION

Recommended Charge Current	20-50A
Max. Charge Current	50A
Peak Charge Current	100A(30s)
BMS Charge Voltage Cut-off	29.2V (1±0.2S)
Reconnect Voltage	28.4V-29.2V
Balancing Current	-
Balancing Voltage	-
Charge Current (-20 to -10 °C)	≤0.05 C

### FEATURES & BENEFITS

- HIGH CYCLE LIFE: >3500 times @ 85%DOD for effectively lower cost of ownership
- BATTERY PACK BUILT-IN BMS Protection: Battery Management System is incorporated to protect battery from OVER CHARGING, OVER DISCHARGING, SHORT CIRCUIT
- LIGHT WEIGHT: Dry power lithium batteries have higher energy density, Wh/kg also being up to 1/3 of SLA battery
- WIDE OPERATING TEMPERATURE RANGE: Suitable for users in a wider range of application where ambient temperature is unusually high: up to +60°C
- STEADY OUTPUT VOLTAGE, VIBRATION & SHOCK RESISTANT, NO MEMORY EFFECT, PRESSURE RESISTANT CELLS



### MECHANICAL SPECIFICATION

Dimensions (L*W*H)	520*240*270mm
Weight	42KG±0.5KG
Terminal Type	Screw Stud
Case Material	Metal Case
Enclosure Protection	IP55
Cell Type: Prismatic	8S1P
Total Cell	8 PIECES

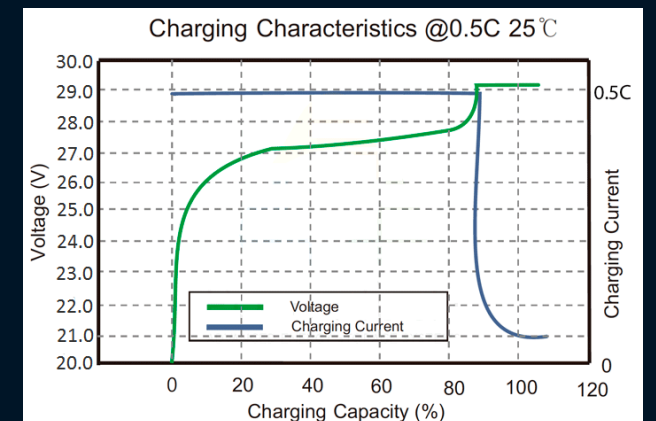
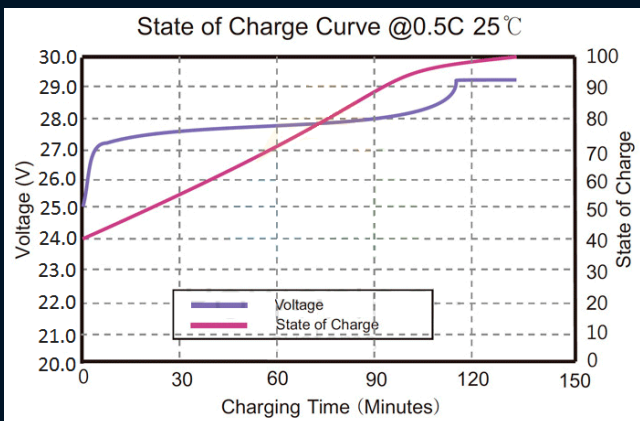
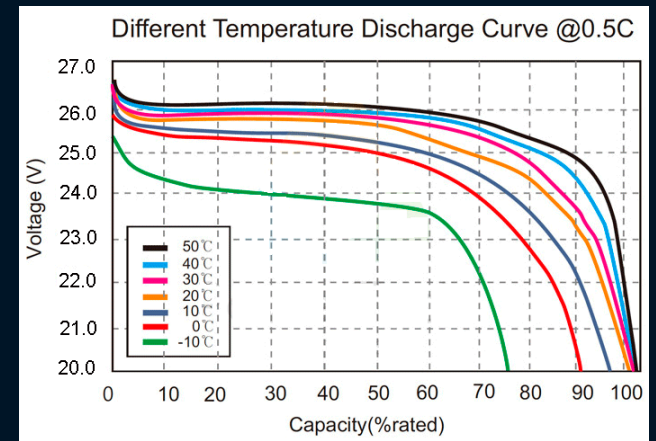
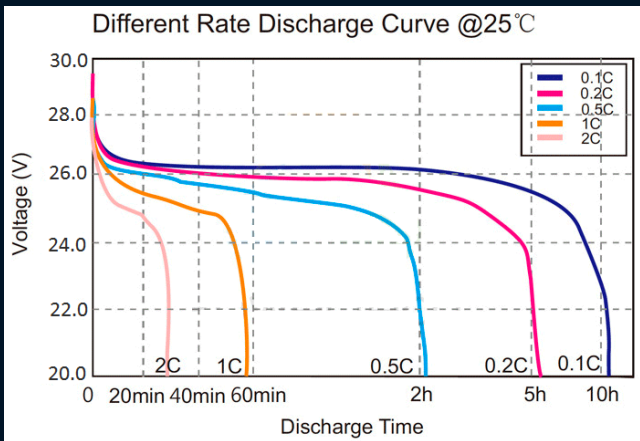
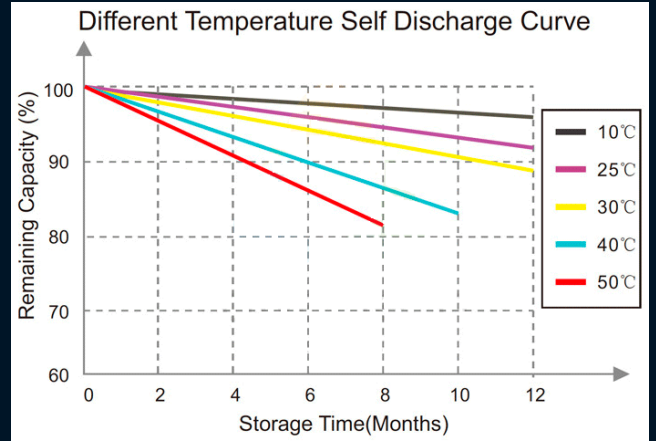
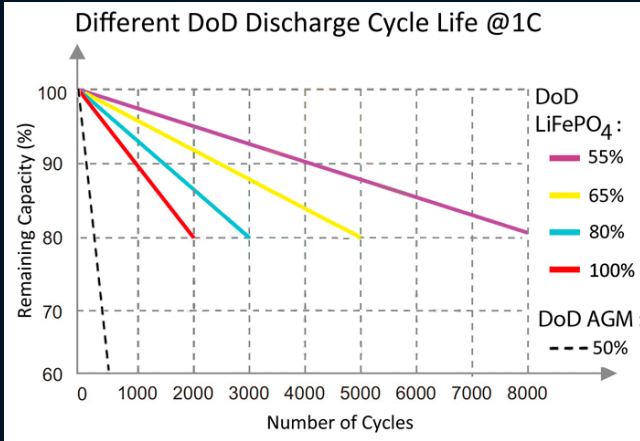
### TEMPERATURE SPECIFICATION

Discharge Temperature	-20°C to 60 °C
Charge Temperature	0 °C to 45 °C
Storage Temperature	-20°C to 40 °C
Peak High Temperature	80 °C
Reconnect Temperature	50 °C

### OTHER CUSTOMISED SERVICES

SMART FUNCTION: RS485/RS232/CAN/BLUETOOTH  
CHARGE/DISCHARGE CURRENT, BATTERY SIZE, OEM

**PERFORMANCE CHARACTERISTIC**





## SUITABLE APPLICATIONS

- Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL, or AGM type batteries.
- $\text{LiFePO}_4$  in 4S=12.8V and 8S=25.6V is closed to Lead Acid equivalents of the Lithium rechargeable types
- Suitable applications included caravan, marine, golf carts, solar storage, remote monitoring, switching applications

## CAUTIONS

- Do NOT expose the battery to water
- Do NOT expose the battery to fire & high temperature
- Do NOT short circuit, crush or disassemble
- Only use  $\text{LiFePO}_4$  charger
- Store at 50% capacity, recharge every 3 months. The storage area should be clean, cool, dry and ventilated.

## BLUETOOTH APP

BW-BLE: The display page is as follow

- The data in the figure are just examples and not real data, for reference only
- Each battery has a corresponding Bluetooth number. For example: DL-CA-12-100. Find the code and click it to connect directly

### Apple iOS



## Android

