ULTIMATRON FRANCE

5 YEARS WARRANTY

# Technical sheet

ULTIMATRON LiFePO4 Smart BMS Lithium Battery
UBL-12-200-PRO

## Compared with traditional batteries, our lithium iron phosphate batteries (LiFePO4) have many advantages:

- 5 years manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions
- Deep and regular discharge and charging efficiency
- Small size and light weight

## Integrated Battery Management System (BMS)

To allow the control and the charge of the different elements of an accumulator battery and to protect it against overcharging, overvoltages and overheating.

★★★★★

Note: Series and parallel connection for 12V, 24V, 36V, 48V applications.

## Integrated Bluetooth 4.0 monitoring

4.0 Bluetooth Low Energy

Google play

Download on the App Store

You have all important battery data always on your smartphone or tablet. The application displays the data in real time.

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# TECHNICAL SHEET

## UBL SMART BMS SERIE 12.8V

# ULTIMATRON LiFePO4 Smart BMS Lithium Battery
# UBL-12-200-PRO

## ELECTRICAL PERFORMANCE

| | |
|---|---|
| Nominal Voltage | 12.8V |
| Nominal Capacity | 200Ah |
| Capacity @ 20A | 600min |
| Energy | 2560Wh |
| Resistance | ≤15 mΩ @ 50% SOC |
| Self Discharge | <3% / Month |
| Number of Cycles | >6000 @ 80% DoD |

## CHARGE PERFORMANCE

| | |
|---|---|
| Recommended Charge Current | 60A |
| Maximum Charge Current | 100A |
| Recommended Charge Voltage | 14.6V |
| Charge Cut-Off Voltage | 14.6V (2000ms) |
| Reconnect Voltage | ≤13.8V |
| Balancing Voltage | >12.8V |

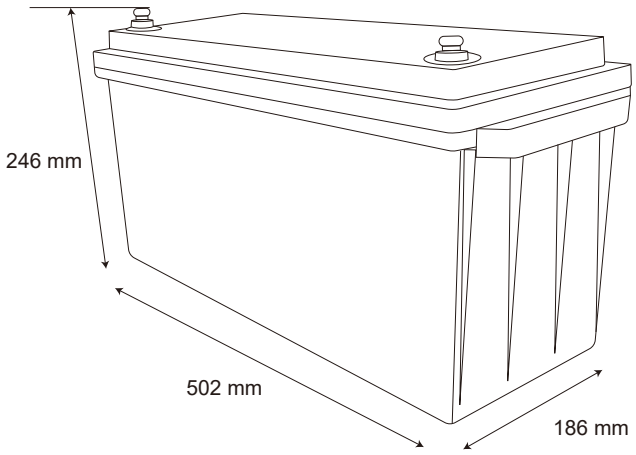
## DISCHARGE PERFORMANCE

| | |
|---|---|
| Maximum continuous Discharge Current | 200A |
| Peak Discharge Cut-Off Current | 450A（200~500ms） |
| Discharge Cut-Off Voltage | 10V (2000 ms) |
| Reconnect Voltage | >11.2V |
| Short Circuit Protection | 1000-2000A ± 400A<br>（200 ~ 800 μs） |

## TEMPERATURE PERFORMANCE

| | |
|---|---|
| Discharge Temperature | -20 ~ 75 ºC |
| Charge Temperature | 0 ~ 50 ºC |
| Storage Temperature | -5 ~ 35 ºC |

## DIMENSION




| | |
|---|---|
| Dimension with terminals | L502 * W186 * H246mm |

## MECHANICAL PERFORMANCE

| | |
|---|---|
| Weight | 21kg |
| Terminal Type | M8 |
| Terminal Torque | 80 ~ 100 in-lbs (9 ~ 11 N-m) |
| Case Material | ABS |
| Ingress Protection Code | IP65 |
| Bluetooth | Bluetooth 4.0 with smartphone App |

## COMPLIANCE

| | |
|---|---|
| Certifications | CE<br>UN38.3<br>UL1642 &IEC62133<br>ECE R10 |
| Shipping Classification | UN 3480, CLASS 9 |

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