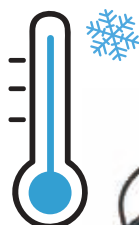


Technical sheet

ULTATRON LiFePO4 Smart BMS Lithium Battery UBL-24-200H (with Heater)



-35°C



Note: Max. 2 Series and 4 Parallel connection.

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.



Heating Features

- ★ The integrated heating function starts automatically at temperatures below 0°C when an external charging current (around 7A) is applied. The integrated heating function will not consume the energy from the battery.
- ★ Integrated Heating foils, the battery can be charged at the extreme environment in **-35°C**.

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

Integrated Bluetooth 4.0 monitoring



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



**ULTMATRON
FRANCE**

TECHNICAL SHEET

UBL SMART BMS SERIE 12.8V

ULTMATRON LiFePO4 Smart BMS Lithium Battery UBL-24-200H (with Heater)

ELECTRICAL PERFORMANCE

Nominal Voltage	25.6V
Nominal Capacity	200Ah
Capacity @ 20A	600min
Energy	5120Wh
Resistance	≤15 mΩ @ 50% SOC
Self Discharge	<3% / Month
Number of Cycles	>6000 @ 80% DoD

CHARGE PERFORMANCE

Recommended Charge Current	40A
Maximum Charge Current	100A
Recommended Charge Voltage	29.2V
Charge Cut-Off Voltage	29.2V (2000ms)
Reconnect Voltage	≤27.6V
Balancing Voltage	>25.6V

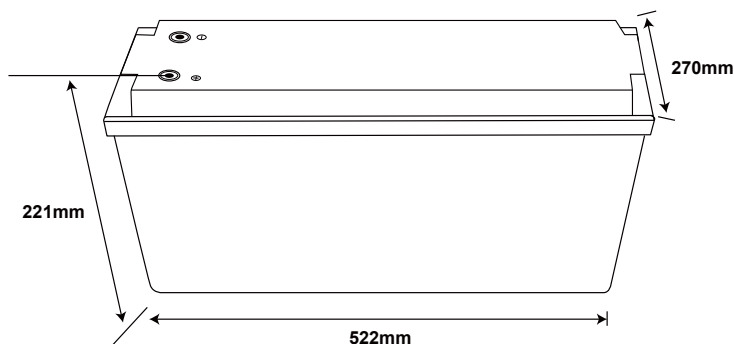
DISCHARGE PERFORMANCE

Maximum continuous Discharge Current	200A
Peak Discharge Cut-Off Current	500A±60A (250±1000 ms)
Discharge Cut-Off Voltage	20V (2000 ms)
Reconnect Voltage	>22.4V
Short Circuit Protection	1400A±160A (200-500 μs)

TEMPERATURE PERFORMANCE

Discharge Temperature	-20 ~ 60 °C
Charge Temperature	0 ~ 60 °C
Storage Temperature	-5 ~ 35 °C
Heater Working Temperature	-35 ~ 5 °C ❄️

DIMENSION



Dimension with terminals L522 * W270 * H221mm

MECHANICAL PERFORMANCE

Weight	37.35kg
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 UN38.3 UL1642 & IEC62133 ECE R10
Shipping Classification	UN 3480, CLASS 9

ULTMATRON FRANCE

Add: 286 Rue Charles Gide, 34670 Baillargues, France

✉ info@ultmatron-france.fr

☎ Tel: +33(0)9 50 42 76 17

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