



**ULTIMATRON
FRANCE**

**3 YEARS
WARRANTY**

Technical sheet

ULTIMATRON LiFePO4 Smart BMS 12.8V 20Ah-200Ah



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

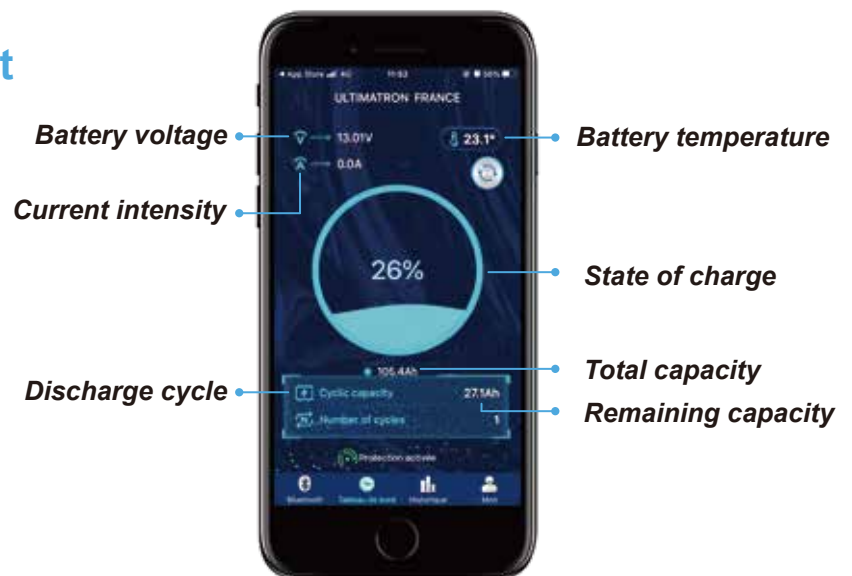
- 3 year manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions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



Note: Parallel connection and serial connection with Max. 4 batteries for 12V, 24V, 48V applications.

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.



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.





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TECHNICAL SHEET

YX SMART BMS SERIE 12.8V

ULTIMATRON LiFePO4 Smart BMS 12.8V 20Ah-200Ah

Model	YX-12V-100Ah	YX-12V-150Ah	YX-12V-200Ah
Nominal capacity	102Ah / 1305Wh	150Ah / 1920Wh	204Ah / 2611Wh
Operating voltage range	10-14.6V		
Nominal voltage	12.8V		
Number of cycles	≥3000 à 80% DoD		
Charging characteristics	CCCV / IU		
Charging voltage	14.6V		
Maximum recommended charge current	50A	75A	100A
Maximum charge current	100A	150A	150A
Discharge current	150A	150A	150A
Maximum discharge current (≤3sec.)	500A	500A	500A
BMS Battery Management System	Integrated		
Monitoring	Bluetooth 4.0 with smartphone app		
Application/ Interconnection	Parallel connection and serial connection with Max. 4 batteries for 12V, 24V, 48V applications		
Protection	IP56		
Temperature range (discharge)	-20 ± 60°C		
Temperature range (charge) *	0 ± 55°C		
Temperature range (storage)	-5 ± 35°C		
Connection screw	M8	M8	M8
Warranty	3 year manufacturer's warranty		
Weight	13.5kgs	18.2kgs	24.7kgs
Dimensions (L x W x H) in mm	L328*W172*H212mm±2mm	L485*W172*H240mm±2mm	L523*W235*H222mm±2mm

Automatic reduction of the charging power at temperatures below 0 ° C inside the battery