



**ULTIMATRON  
FRANCE**

**3 YEARS  
WARRANTY**

## Technical sheet

UTIMATRON LiFePO4 Smart BMS 12.8V 20Ah-200Ah



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

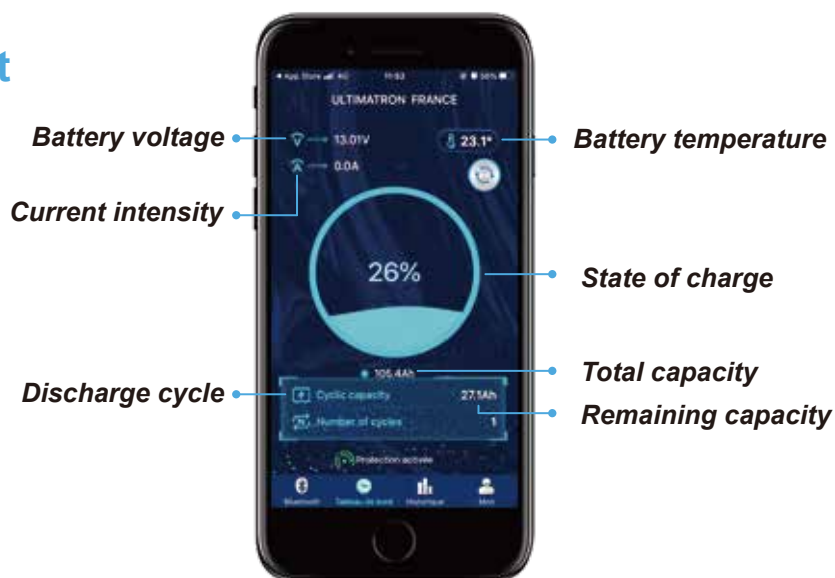
- 3 year manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions
- 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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## ULTIMATRON LiFePO4 Smart BMS 12.8V 20Ah-200Ah

Model	YX-12V-100Ah	YX-12V-150Ah	YX-12V-200Ah
Nominal capacity	102Ah / 1305Wh		
Operating voltage range	11.0 .. 14.6V		
Nominal voltage	12.8V		
Number of cycles	≥3000 à 80% DoD		
Charging characteristics	CCCV / IU		
Charging voltage	14.4 - 14.6V		
Maximum recommended charge current	50A		
Maximum charge current	100A		
Discharge current	150A		
Maximum discharge current (≤20 sec.)	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	IP65		
Temperature range (discharge)	-20°C .. +60°C		
Temperature range (charge) *	-10°C .. +45°C		
Temperature range (storage)	-20°C .. +60°C		
Connection screw	M8	M8	M8
Warranty	3 year manufacturer's warranty		
Weight			
Dimensions (L x W x H) in mm			

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