



**ULTIMATRON  
FRANCE**



## Technical sheet

ULTIMATRON LiFePO4 Smart BMS 12.8V / 24V 54Ah-200Ah



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

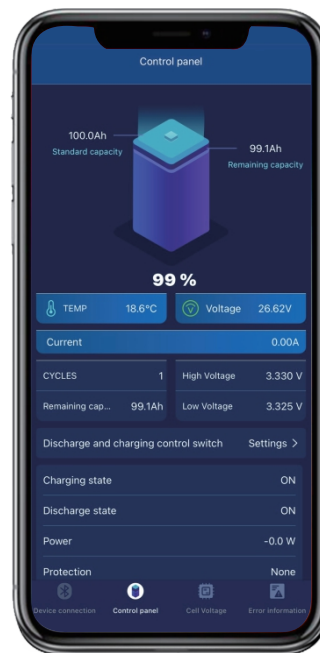
- 5-year manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions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



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

MARQUE FRANÇAISE





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# TECHNICAL SHEET

## UBL SMART BMS SERIE 12.8V

### ULTIMATRON LiFePO4 Smart BMS 12.8V / 24V 54Ah-200Ah

Model	UBL-12V-100Ah	UBL-12V-150Ah	UBL-12V-200Ah	UBL-12V-54Ah	UBL-24V-54Ah	UBL-24V-100Ah
Nominal capacity	100Ah/1280Wh	150Ah/1920Wh	200Ah/2560Wh	54Ah/691.2Wh	54Ah/1382.4Wh	100Ah/2560Wh
Operating voltage range	10-14.6V			20-29.2V		
Nominal voltage	12.8V			25.6V		
Number of cycles	≥ 3000 at 80% DoD					
Charging characteristics	CCCV / IU					
Charging voltage	14.6V		14.6V		29.2V	29.2V
Recommended Charge Current	20A		10.8A		10.8A	20A
Maximum Charge Current	50A		27A		27A	50A
Maximum Discharge Current	150A		150A		100A	100A
Peak Discharge Cut-Off Current (5 ~15 ms)	450A		450A		300A	300A
BMS Battery Management System	Integrated					
Monitoring	Bluetooth 4.0 with smartphone app					
Application/ Interconnection	Series and parallel connection for 12V, 24V, 36V, 48V applications.				Series and parallel connection for 24V, 48V applications.	
Protection	IP65					
Temperature range (discharge)	-20 ~ 60°C					
Temperature range (charge) *	0 ~ 45°C					
Temperature range (storage)	-5 ~ 35°C					
Connection screw	M8					
Warranty	5-year manufacturer's warranty					
Weight	11.7kg	17.8kg	23.5kg	6.5kg	14.1kg	23.5kg
Dimensions (L x W x H) in mm	330*172*223mm	483*170*240mm	522*240*218mm	260*168*209mm	330*172*215mm	522*240*218mm