

Technical sheet

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



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

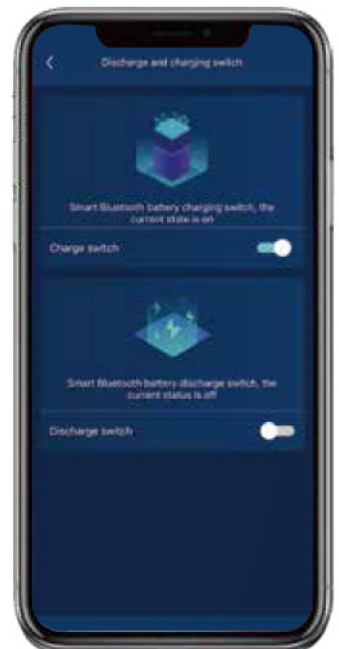
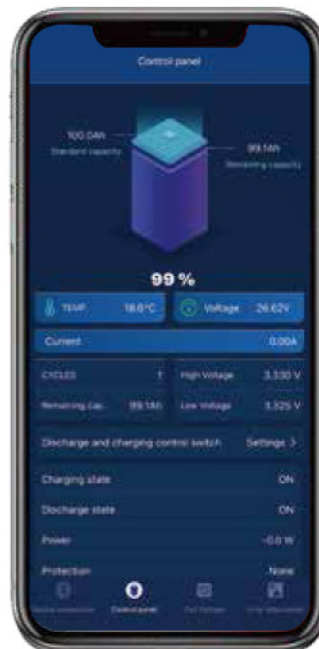
- 3-year manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions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



Note: 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.

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
Maximum recommended charge current	20A		10.8A		10.8A	20A
Maximum charge current	50A		27A		27A	50A
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	3-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	328*172*212mm ± 2mm	485*172*240mm ± 2mm	523*235*222mm ± 2mm	260*168*209mm	330*172*215mm	522*240*218mm