

## LFP 12V-IND 100/150/200 Ah BATTERIES

BATBLUIND12 SERIES



### Description

The BATBLUIND12 lithium-ion battery series is the ideal replacement for traditional lead-acid batteries. Uses advanced LiFePO4 technology and Integrated BMS with the benefits of long life cycle, light weight, safety and excellent performance at high and low temperatures.

The lithium-ion battery is widely used in solar power systems, home power, storage system, and emergency power.

### Main Features

- **EXTENDED LIFE CYCLES.** Using proven LFP battery cells, the battery can provide a life of +4000 cycles under standard operating conditions.
- **HIGH SECURITY.** Integrated smart BMS protects battery cells from: overcharge, over discharge, high temperature, short circuit, etc.
- **HIGH ENERGY DENSITY.** By using high-capacity LFP battery cells and optimized structural design, the battery can achieve an energy density of 100Wh / Kg - 110Wh / Kg, which is 3 times better than traditional lead-acid batteries.
- **EXTENDABLE CAPACITY.** With the support of the BMS power electronics, batteries can be connected in parallel to increase installed capacity.
- **ENVIRONMENTALLY FRIENDLY.** All components are made of materials that respect the planet.

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### SPECIFICATIONS

SPECIFICATIONS		BATBLUIND12100	BATBLUIND12150	BATBLUIND12200
ELECTRICAL				
MAIN				
Nominal Voltage [VDC]	12			
Cathode Plate Technology	LFP (3.2Vpc)			
Nominal Capacity [Ah]	100	150	200	
Nominal Capacity [Wh]	1200	1800	2400	
Maximum Discharge Current [Amps]	100	100	100	
Maximum Charge Current [Amps]	100	100	100	
Maximum DoD [%]	100			
EXTENDED				
Working Voltage Range [VDC]	10 - 14.6			
Maximum Voltage "OVP" [VDC]	21.9			
Minimum Voltage "LVD" [VDC]	10			
Charge Voltage Range [VDC]	14.6 ± 0.2			
Cycle Life [Cycles]	4000 +			
Expected Life Span [Years]	15			
MECHANICAL				
Dimensions, H x W x D [mm/inches]	216 x 175 x 330 / 8.50 x 6.88 x 12.99	217 x 176 x 333 / 8.54 x 6.92 x 13.11	218 x 240 x 522 / 8.58 x 9.40 x 20.55	
Weight [Kg/ Lbs]	12 / 26.45	15 / 33.06	22 / 48.50	
Terminal Block	Positive & Negative: M8			
Paint	ABS+PC			
ENVIRONMETAL				
Working Temperature [°C/°F]	-20 to +60 / -4 to +140 (Discharge)			
	0 to +45 / +32 to +113 (Recharge)			
Storage Temperature [°C/°F]	0 to +45 / +32 to +113			
Relative Humidity - Non Condensing [%]	5 to 95			
Altitude [masl]	4000			
INTERNATIONAL STANDARS				
Safety	Cell: UL2580, UL1973 Module: IEC62619, IEC62040	Cell: UL2580, UL1973	Cell: UL2580, UL1973	
CE Mark	Yes			