

Ion Power Basic

High Class Lithium Ion batteries
for recreational marine, mobile and industrial applications



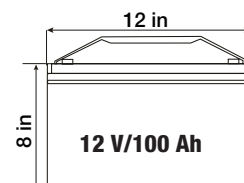
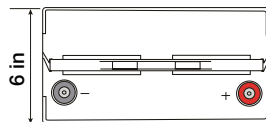
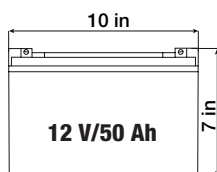
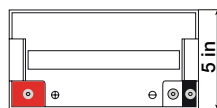
Capacities:
12 V/50 Ah • 12 V/100 Ah

Our batteries are a great alternative to conventional batteries in all areas. By utilizing advanced chemistry and system design, WhisperPower provides enormous energy reserves. User can relax and enjoy freedom wherever they go. Ion Power Basic battery energy management ensures lowest possible energy losses and superfast charging in combination with the safe LiFePO4 chemistry.

- Suitable for lead acid battery replacement
- Saves up to 70 % in space and weight
- Three times the lifespan of traditional batteries
- High cycle efficiency
- Fast charging up to one hour
- High discharge rate up to 1C
- Integrated Battery Management System (BMS)
- Suitable for parallel operation up to 8 pcs
- Not suitable for serial operation
- Waterproof electronics cabinet
- Best buy price vs. cycle life
- Extremely safe LiFePO4 chemistry.

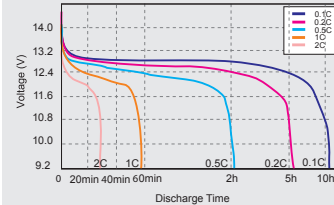


	12 V 50Ah 640 Wh	12 V 100Ah 1280 Wh
	40291201	40291202
TECHNICAL SPECIFICATIONS		
Length (in)	10 in	12 in
Width (in)	5 in	6 in
Height (in)	7 in	8 in
Weight	17, 26 lbs	26 lbs
Terminal connection	M6	M8
CHARGE / DISCHARGE PARAMETERS		
Nominal voltage (V)	12,8 V	12,8 V
Charge cut off voltage	15,6 V	15,6 V
End charge voltage	14,6 VDC +- 0,2 V	14,6 VDC +- 0,2 V
Max charge current 1/c	50 A	100 A
Max float charge current	25 A	50 A
Minimum discharge cut off voltage	8 VDC	8 VDC
Nominal discharge cut off voltage	10 VDC	10 VDC
Max. Discharge current 1/C	50 A	100 A
Pulsed discharge current (10 sec)	60 A	120 A
Usable battery capacity at 20°C	50 AH 640 Wh	100 AH 1280 Wh
Internal Resistance	<20 mohm	<20 mohm
Cycle Life @ 1c 100% DOD	>2000 cycles	>2000 cycles
Months Self Discharge	<3%	<3%
Temperature range (charging)	32°F to 113°F	32°F to 113°F
Temperature range (discharging)	-4°F to +140°F	-4°F to +140°F
Temperature range (storage)	32°F to +104°F	32°F to +104°F
Water dust resistance	IP56	IP56
Cell configuration	4S16P	4S32P
Cell data	26650	26650
Cell chemist	LiFEPO4, lithium Iron Phosphate battery	
Plastic Case	ABS black	ABS black

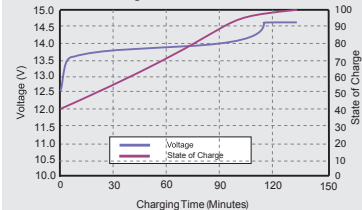


12 V 50 Ah / 12 V 100 Ah

Different Rate Discharge Curve



State of Charge Curve @0.5C 25



12 V 50/100 Ah / 24 V 100 Ah

Different DOD Discharge Cycle Life Curve @1C

