

## ASTERION LFP PLASTIC 12.8V 100Ah

ASTERION LFP PLASTIC 12.8V 100Ah on lithium iron phosphate cells is designed for industrial, residential, commercial and private applications. This lithium products, due to its maintenance-free features and improved design characteristics, is ideal for working in a wide variety of fields: solar and alternative energy storage, electric vehicles, golf carts, floor machines, forklifts and etc.

### General specifications

Cell type	LiFePO <sub>4</sub>
Battery control system	Built-in BMS
Case material	Plastic
Bluetooth	Yes
Dimensions (L x W x H)	260×169×210 mm
Weight	~10,1 kg
Cycle life	≥3,500 cycles
Terminal type	M8
Discharge temperature	-20 °C to 60 °C
Charge temperature	0 °C to 45 °C
Storage temperature	0 °C to 45 °C
Relative humidity	60±25 %
Water dust resistance	IP65

### Built-in protection

- Overvoltage protection
- Undervoltage protection
- Discharge/charge overcurrent protection
- Overtemperature protection

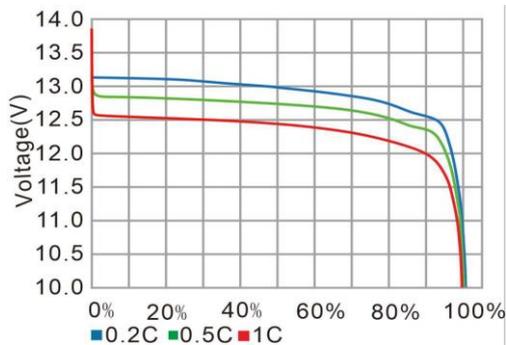
### Electrical specifications at 25 °C

Rated voltage	12.8 V
Rated capacity	100 Ah
Accumulated energy	1280 Wh
Rated charge voltage	14.4 V
Voltage range	10.8–14.4 V
Charge voltage in standby mode	13.6–13.8 V
Charge voltage in cycle mode	14.4–14.6 V
Rated charge current	20 A
Max charge current	50 A
Rated discharge current	50 A
Max discharge current	100 A
Internal Resistance	≤23 mΩ

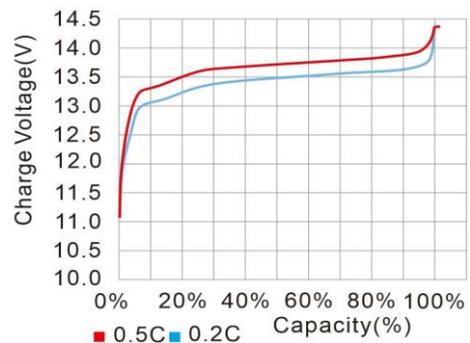
### Application

- 4S1P (Equalize before installing)
- 1S4P (Increased capacity without increasing current)

Discharge curve (25°C)



Charge curve (25°C)



Open circuit voltage vs. SoC % (25°C)

