

## ASTERION LFP PLASTIC 25.6V 50Ah

ASTERION LFP PLASTIC 25.6V 50Ah 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	~11.1 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

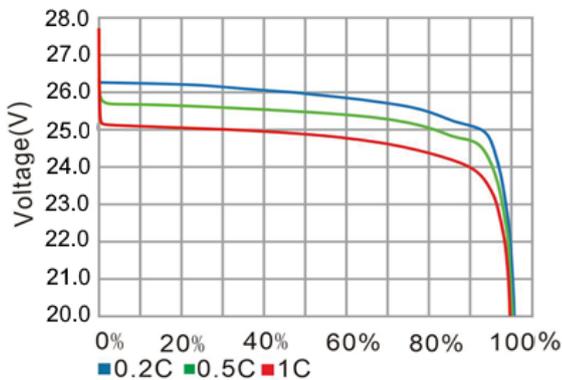
### Electrical specifications at 25 °C

Rated voltage	25.6 V
Rated capacity	50 Ah
Accumulated energy	1280 Wh
Rated charge voltage	27.6 V
Voltage range	21.6–28.8 V
Charge voltage in standby mode	27.2–27.6 V
Charge voltage in cycle mode	28.0–28.8 V
Rated charge current	10 A
Max charge current	25 A
Rated discharge current	25 A
Max discharge current	50 A
Internal Resistance	≤40 mΩ

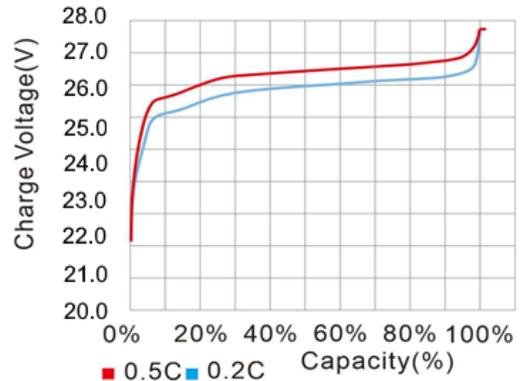
### Application

- No serial connection
- 1S4P (Increased capacity without increasing current)

Discharge curve (25°C)



Charge curve (25°C)



Open circuit voltage vs.Soc % (25°C)

