

## ASTERION LFP Plastic 24V30Ah li-ion battery specification

Li-ion battery typename	ASTERION LFP Plastic 24V30Ah
Electrochemical system	LiFePO4
Rated voltage, V	25,6
Rated capacity, Ah	30
Li-Ion cells used	Cylindrical LFP 3,2V 6000mA
Lifetime, cycles	≥ 3000 at DoD 80% at 25°C
Rated discharging current, A	15
Max. continuous discharging current, A	30
Pulse discharging current, A	50, no longer than 1 s
Rated charging current, A	≤15
Cells balancing (by BMS)	Yes
Charging temperature, °C	0..+45
Operation temperature, °C	-20..+60
Dimensions (LxWxH), mm	229x138x217
Weight, kg	10,0
Charging device	ASTERION LFP Charger 29.2V15A
Battery body material	Plastic
Protection degree	IP65



### Protection functions:

Short circuit protection in load and charge lines;  
Overcurrent protection during charging and discharging;  
Cells overcharge/deep discharge protection;  
High and low temperature protections.

### Battery features

**Protections:** standard set of protections.  
**BMS:** integrated, passive.  
**Battery parallel connections:** up to 2 batteries.  
**Battery series connections:** prohibited.  
**Recommended charging devices:** Delta LFP Charger.  
**Monitoring:** via Bluetooth connection with an Android/iOS smartphone: SoC, real-time current, voltage and temperature values, alarm.

### Applications

#### Application:

Cleaning machines (scrubber driers, sweeping machines), special vehicles (mobile pallet wrappers), mini electric vehicles, electric motor boats, energy storage systems.