

ORION LFP 25.6V 100 Ah Battery

Lithium Iron Phosphate



The ORION LFP 25,6V 100Ah smart battery is a popular, lithium iron phosphate battery. It is intended for use in high capacity, high voltage battery. It can power a wide range of devices including an electric buffer, solar systems, toys, smart doorbell or marin.

Do not purchase batteries before reading and understanding these safety cautions. Using a lithium iron phosphate battery incorrectly may a cause it to leak, generate heat, smoke, catch on afire, or explode.



SAFETY

- +The cell must stay in the operating temperatures outlined in its data sheet
- +The cell must not exceed voltage, current, and other ratings in its data sheet
- + Store batteries separately, and do not transport without proper packaging
- +Never store or transport together with conductive or metallic objects particularly in a pocket or bag
- +Do not keep in the sun, in a hot car, or anywhere with direct heat
- +If the cell is attached to a PCB, keep it away from high-static environments
- +Recycle discontinued batteries according to local regulations and cover terminals with insulating tape before disposal
- + Discharge end or cut-off voltage in data sheet is lower-limit for discharge cycle and should not be exceeded
- +Charger or device should implement warning for over-voltage, over current, and over-temperature, control of overcharge, and charge timer
- +Be careful not to short-circuit

TECHNICAL DATA

Battery Dimensions	483x170x240mm
Battery Weight	18±0,5 kg
Capacity (nominal/minimum) (0.5C Rate)	100Ah
Voltage (nominal)	25,6V
Internal Resistans (23 ± 2°C)	<15 mΩ
Energy Density	2560Wh
Recommended Standard Charge Method	20A, 29,20V CC-CV
Maximum Charge Method	50 A, 29,20V CC-CV
Maximum Continuous Discharge	100A – 1C
Discharge Cut-off Voltage	21,6V
Cycle Life (80% DOD)	>6000 cycles
Operating Temperature	-20°C to 60°C
Storage Temperature	0°C to 35°C
Communication	Bluetooth