VISION GROUP
Shenzhen Center Power Tech.Co.Ltd,.

Lithium Iron Phosphate Battery
V-LFP12V90Ah

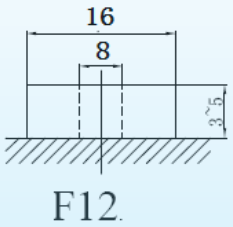
Overview

The V-LFP12V90AH rechargeable battery is optimized for low rate application which reqiures high energy density.

Features

- High energy density
- Automatic protection with battery management system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

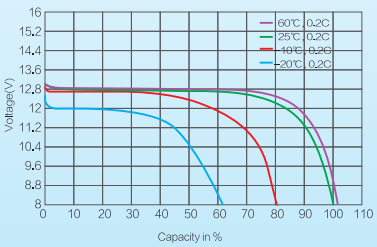
Terminal



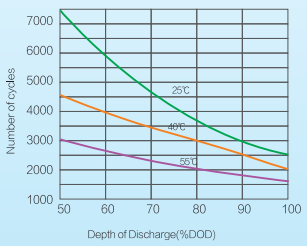
Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	⩾90
Mechanical characteristics	
Weight (approximate)/Kg	14
Dimension L*W*H /mm	306*169*216
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. pulse discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20℃ 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30℃ to 60℃; Charge 0℃ to 60℃
Storage temperature	0 to 30℃
Storage duration	12 months at 25℃
Safety standard	UI1642 at cell level

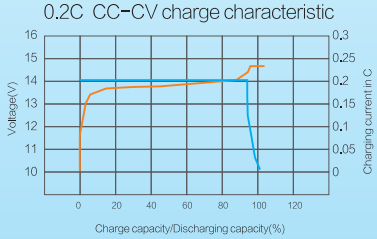
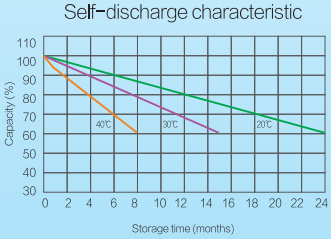
Dis charge curves under differents tempertatures



Cycle life vervus DOD and temperture at 0.2C



0.2C CC-CV charge characteristic



Self-discharge characteristic