



POWER SOLID

The Crown of Power Solution

lithium battery

PS-121000-LM

12.8V 100Ah

Specification

Nominal Voltage	12.8V
Number of cell	2P4S 36115185-50Ah
Nominal Capacity	100AH(0.2C discharge to 10.0V)
Weight	Approx. 17.0Kg
Dimensions	Approx. 329x173x234mm
Voltage window/V	14.6 to 10.0
Max continue discharge current	100A
Max charge current	20A
Max pulse discharge current	150A 3Sec
Input/Output	M8φ 18



Operating Conditions

Cycle life (+25°C 0.2C 100%DOD)	2500 Times
Operating temperature	Discharge -20°C to 60°C Charge 0°C to 45°C
Storage temperature	-20°C to 60°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level

Features

- Used alone
 - Eco-friendly and long lifespan
 - Low self- discharge
 - High energy density
 - Excellent performance in all the operating temperature
 - Automatic protection with battery management system internally
- Over charge, over discharge, Over load, Over short circuit protection**
- industrial leading packing technology ensures the cells have a precise conformance and a stable performance

Overview

The LFP Rechargeable battery is optimized for low application which requires high energy density.

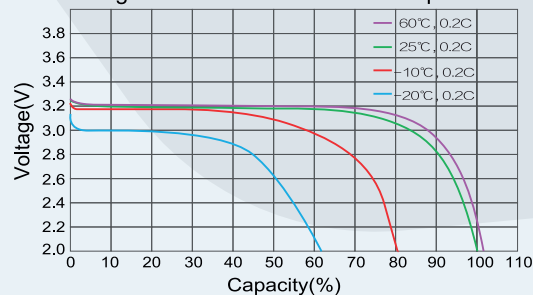
Caution

Do not disassemble , short circuit or dispose of in fire
Do not use or store the battery where is exposed to extremely hot, such as under window of a car in direct sunlight in a hot day. Otherwise, the battery may be overheated. This can also reduce battery performance and/or shorten service life

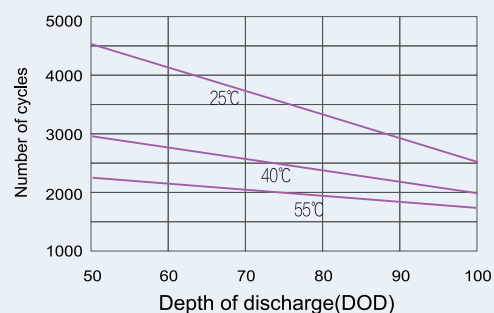
Certificate

CE \ RoHS \ Directive-Compliant / msds / FCC

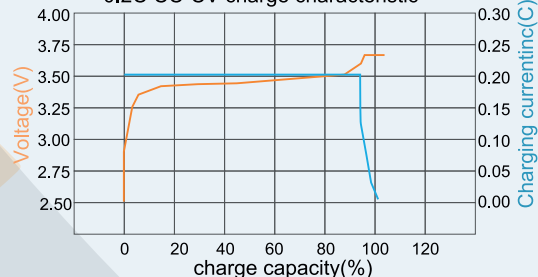
Dis charge curves under differents temperatures



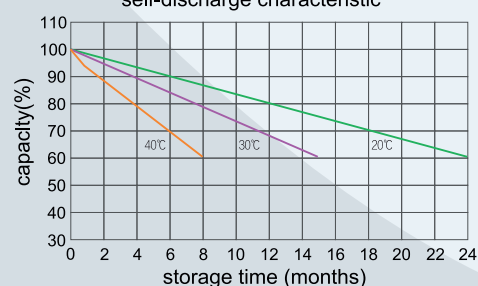
Cycle life vevrus DOD and temperure at 0.2C



0.2C CC-CV charge characteristic



self-discharge characteristic



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