

DAYTECH DTLP12-100 Battery Datasheet

12.8V DC 100Ah Battery



Overview

Daytech's high performance 12.8VDC LiFePO4 Battery offers the latest in high quality, long life, and safety features. Fully tested and quality controlled by Daytech's technicians, it is suitable for harsh Australian conditions, with a maximum of 50°C ambient temperatures.

Applications

- Energy Storage: UPS, backup, renewable energy, power station, solar lighting, solar pumping.
- EV / RV / Camper: golf trolleys, electric scooters.
- Solar/Wind Power Off-grid System, Domestic/Commercial/Industrial Energy Storage.
- Telecommunications Base Stations, IoT Gateways, Digital Signage.
- Portable power equipment.



Features

- Built-in Battery Management System (BMS) protects cells against excessively high or low voltages, currents, and short circuits.
- Greater than 3000 @ 90% DOD. Whole life up to 4000 cycles*
- High energy density and lightweight
- Low internal resistance
- Good high and low temperature performance
- Every Unit is Quality Tested and Approved by Daytech's factory technicians before dispatch.

Specification

Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Max. Discharge current	100A
Charge current	20A-50A
Weight	13kg
Dimensions	330 x 173 x 223mm
Operating Temperature Range	Charging: 0 to 50°C
	Discharge: -10 to 50°C
Number of Cycles	>3000 cycles @ 90% DOD Whole life, up to 4000 cycles *
Package material	ABS
Warranty	3 years – 5 Year Limited**

* Less than or equal to 0.2C at 25°C to 90% DOD

** Limited Warranty - 3000 cycles to 60% capacity when used within specified charging and discharging parameters, less than or equal to 0.2C at 25°C to 90%.

Daytech Pty Ltd

www.daytech.io
sales@daytech.io