

# Daytech 48V 100Ah LiFePO4 Battery Pack

## Model DT-LP-48VDC-100AH-19IN-ESS-B



### Overview

This battery pack is a Lithium Iron Phosphate (LiFePO4) battery with an inbuilt Battery Management System (BMS). The BMS is a professional design which tests the entire system before going online to ensure the battery's cells can be protected during use.

During use, the BMS monitors battery voltage and disconnects the load if the battery voltage becomes too high or falls too low. The system has a miniature circuit breaker to disconnect the load if a short circuit condition occurs.

Up to 8 units can be put in parallel for a 40kWh system.



### Specifications

Batteries in Series	16 Prismatic
Rated Voltage	51.2V
Discharged Voltage	43.2V
Charging Voltage	56V – 58.4V (56.4V recommended)
Internal resistance	≤100mΩ
Self-discharge rate	≤2% per Month
Working temperature range (≤95% RH)	0~65°C (charging) -20~65°C (discharging)
Storage temperature range (≤95% RH)	-40~70°C
User Interface	LED display, 4 buttons
Circuit breaker	DC 1 pole 125A MCB
Protective functions	Overcharge, over-discharge, short-circuit, overload, over temperature, etc
% charged when shipped	50%
Communications protocol	RS485 and MODBUS RTU
Expansion	Up to 8 units in parallel
Nominal Capacity	5.12kWh
Nominal Discharge Power Max	2.56kW
Peak discharge current	100A
Nominal discharge current	50A

Daytech Energy

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