

LOKITHOR

LiFePO4 POWERSPORTS BATTERY



LPS7-3

LPS14-5

LPS20-8

LPS30-14



FEATURES



LOW-VOLTAGE SAFE MULTIPLE ACTIVATION

Device with built-in low-voltage shutdown, activates via Bluetooth/button/charging, eliminating low-battery startup worries.



LOW-TEMPERATURE HEATING FUNCTION

Built-in heating pads are precisely controlled via the BMS to ensure reliable starting performance, eliminating concerns in low-temperature conditions.



LiFePO4 SAFE PERFORMANCE

Lokithor's LiFePO4 (Lithium Iron Phosphate) battery delivers safe, stable performance with a long cycle life.



BLUETOOTH & APP COMPATIBLE

Supports Bluetooth connectivity, enabling the APP to read parameters and perform related operations for intelligent and efficient control.



OVER 50% LIGHTER THAN LEAD-ACID

Engineered with advanced lithium technology, this lightweight battery delivers maximum starting power with reduced weight.



MULTI-PROTECTION FOR ULTIMATE SAFETY

BMS (Battery Management System) provides full protection, including over-current, over-voltage, short-circuit, and temperature safeguards.

EXTERNAL CONTROL BOX INSTRUCTIONS



TYPE-C CHARGING

- 1 Correctly connect the control box red/black wires to the battery positive/negative terminals.
- 2 Connect the power adapter to the control box via a USB-C cable.
- 3 Breathing indicator light indicates normal charging.



TYPE-C DISCHARGING

- 1 Correctly connect the control box red/black wires to the battery positive/negative terminals.
- 2 Press control box button to wake up.
- 3 Connect the external device to control box via a USB-C cable.
- 4 Solid indicator light indicates normal discharging.



SAE PORT CHARGING

- 1 Correctly connect the control box red/black wires to the battery positive/negative terminals.
- 2 Connect charger to control box SAE port (exposed end of SAE connector is negative).
- 3 Check charging status via charger indicator or APP.



SPECIFICATIONS

Model	LPS7-3	LPS14-5	LPS20-8	LPS30-14
Battery Chemistry	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Voltage	12.8V	12.8V	12.8V	12.8V
Battery Capacity	3Ah / 38.4Wh	5Ah / 64Wh	8Ah / 102.4Wh	14Ah / 179.2Wh
Cranking Amps	400A	600A	900A	1500A
With Lokithor USB-C & SAE Eyelet Cable	USB-C Input & Output: 5V~15V ≡ 3A; 20V ≡ 2.25A (PD45W)	USB-C Input & Output: 5V~15V ≡ 3A; 20V ≡ 2.25A (PD45W)	USB-C Input & Output: 5V~15V ≡ 3A; 20V ≡ 2.25A (PD45W)	USB-C Input & Output: 5V~15V ≡ 3A; 20V ≡ 2.25A (PD45W)
SAE Charging Input	14.5V / 3A	14.5V / 5A	14.5V / 8A	14.5V / 10A
Charging Temp	-20°C~45°C	-20°C~45°C	-20°C~45°C	-20°C~45°C
Operating Temp	-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Storage Temp	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
IP Rating	IP67	IP67	IP67	IP67
Size	113x70x85mm	149x87x93mm	175x87x130mm	166x127x176mm

COMPATIBLE LEAD-ACID BATTERY SIZES

LPS7-3

BTZ5S
BTZ7S
BTZ8V
BTX4L-BS
BTX5L-BS
BTX7L-BS
YTZ7S
YTZ8V
YTX4L-BS
YTX5S-BS
YTX5L-BS
YTX7L-BS

LPS14-5

BT12A-BS
BTX12-BS
BTX14
BTX14B-4
BTX16-BS
BTX16-BS-1
BTX20CH-BS
BTZ10S
BTZ12S
BTZ14S
ETX12
ETX14
GYZ16H

HYB16A-AB
KMX14-BS
YT12A-BS
YTX7A-BS
YTX9
YTX9-BS
YTX12
YTX12-BS
YTX14
YTX14-BS
YTX14H
YTX14H-BS
YTX16-BS

YTX16-BS-1
YTX20CH
YTX20CH-BS
YTZ10S
YTZ12
YTZ12S
YTZ14
YTZ14S

LPS20-8

BTX15L
BTX15L-BS
BTX20L
BTX20L-BS
BTX20HL-BS
BTZ20L
ETX16L
ETX20L

GYZ20H
GYZ20L
GYZ20HL
Y50-N18L-A3
YB16CL-B
YB16HL-A-CX
YB16L-B
YIX20HL

YIX20HL-BS
YTX15
YTX15L
YTX15L-BS
YTX20
YTX20-BS
YTX20H
YTX20H-BS

YTX20L
YTX20L-BS
YTX20HL
YTX20HL-BS
YTX20HL-BS-PW
YTX20HL-PW

LPS30-14

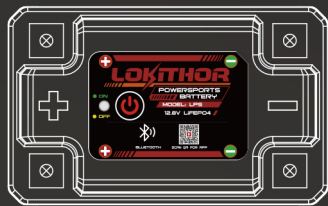
BTX30L-BS
BTX30L
GYZ32HL

YTX30
YTX30L-BS
YIX30

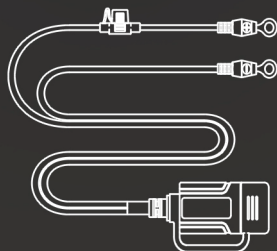
YIX30L
YIX30L-BS
YIX30L-PW

YIX30L-BS-PW
ETX30L

PACKAGE CONTENTS



Powersports Battery ×1



Charging Control Box ×1 set



Type-C Data Cable (USB-C to USB-C) ×1



Phillips Screwdriver ×1



Phillips Screws ×4



Foam Padding (sufficient quantity)



Warning Label ×1



User Manual ×1

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