

TR8212-12V 20A LiFePO₄ BATTERY PACK ULTRA-FAST CHARGER

Tracer

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General

This mains charger is only for use with Tracer 12V Lithium Iron Phosphate (LiFePO₄) Battery Packs. Do not use this charger for any other purpose. It has been designed to be used with LiFePO₄ batteries only.

Features

- Overcharge protection
- Short-circuit protection
- Reverse-polarity protection
- Battery Wake-up
- Thermal Protection
- UK/EU leads included, other available
- AC INPUT: 198-264VAC 50Hz
- OUTPUT: 14.6V 20A DC

Recharging the battery

- Connect the charger to the mains and switch on - LED 1 will glow green
- Connect the charger to the Tracer LiFePO₄ battery.
- LED 1 will glow yellow to indicate Boost Charge
- LED 1 will flash yellow to indicate Top-up Charge
- LED 1 will glow green when the battery is fully charged.
- Once fully charged, disconnect the charger from the mains and then from the battery. Safety Timer will cut off after 72 hours - LED 1 will Flash (5 blinks)

Note

- **Do not cover the charger whilst charging.**
- **Only charge indoors with good ventilation.**
- **Do not disassemble the charger for any reason.**

Recharge times

Tracer Battery/Power Packs

7Ah Not Suitable
16Ah Not Suitable
24Ah Not Suitable

Tracer Module/Carry Case Kits

40Ah 03-05 hrs
80Ah 06-09 hrs
100Ah 09-14 hrs
170Ah 13-18 hrs



Common malfunctions and solutions

LED Indicator	Cause	Solution
LED is OFF	No charge - Connected to wrong battery pack with higher Voltage	Check battery pack is a suitable Tracer LiFePO ₄ battery pack
Yellow with 1 Red blinks	Battery temp too low (< 0°C)	Move battery to warmer position
Yellow with 2 Red blinks	Battery temp too high (> 45°C)	Move battery to cooler position
Flashing Red (2 blinks)	Wrong polarity detected	Check charger to battery connection
Flashing Red (3 blinks)	Short circuit detected	Check charger to battery connection. Remove battery from charge
Flashing Red (4 blinks)	Lower voltage battery pack	Check battery is 12V LiFePO ₄ . Lower voltages will be limited to 1.0A & terminated after 10min.
Flashing Red (5 blinks)	Safety Timer cutoff 72hours	Remove the battery from charge

Guarantee

The charger is guaranteed against manufacturing defect for 12 months from the date of purchase. The warranty covers premature failure due to defects in materials and/or workmanship. Any breakage caused by accidental damage or as a result of abuse or misuse is not covered. The warranty is limited to the original purchaser and is not transferable. Should the charger fail under warranty, DO NOT attempt to dismantle. Contact support@tracerpower.com