



Tracer
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Battery fuel gauge operation

IMPORTANT: The battery Fuel Gauge must be operated **AT LEAST** 2 minutes after the load has been switched off. The battery will recover slightly and **ONLY** then will the Fuel Gauge give an accurate battery state indication. After 2 minutes of no load - press and hold the fuel gauge push button to observe the battery charge status.

Light Indicator	Battery Charge Status
3 green and 2 red	Battery fully charged
2 green and 2 red	Over 50% capacity
1 green and 2 red	Over 20% capacity
2 red	Less than 20% capacity
1 red	Less than 10% capacity
1 red flashing	USB mode Active
No lights	Battery empty

Warranty

Your new battery has a 12 month warranty (from the date of purchase) against premature failure due to defects in materials and/ or workmanship, subject to the following conditions:

- The warranty does not cover failure due to use outside of the specification and parameters outlined in the previous sections
- The warranty does not cover failure due to damage caused by abuse*
- The warranty does not cover failure from excessive wear and tear even within the warranty period
- A till or computer-generated proof of purchase must accompany your claim
- The warranty is limited to the original owner and is not transferable

Should any original defect appear, please log your warranty claim with your retailer or at tracerpower.com

The warranty is void if:

- The serial number is removed from the product
- The battery or connection system has been modified in any way
- The battery has been left in a discharged state.

This warranty is limited to the original purchaser and is in addition to your statutory rights.

*Charge your battery directly after each use.

Leaving your battery in a discharged state will seriously and permanently damage its performance. Please note we cannot uphold warranty claims in these circumstances.

Supplied with

- Tracer LiFePO4 battery pack
- Tracer mains Charger
- Tracer TR8404 (0.5m lead)

Please visit tracerpower.com to see a full list of available accessories.



LiFePO4 Battery Packs

With Spring loaded grab-handle.

Operating instructions (12V & 24V)



LITHIUM IRON PHOSPHATE BATTERY PACKS (LiFePO₄)

With spring loaded grab-handle.

Congratulations on purchasing the latest in portable battery pack technology from Tracer Power. Please take a moment to read carefully the following instructions to get the best performance from your Lithium battery pack.

Features

- Lightweight – Approximately 1/2 of the weight of equivalent capacity Sealed Lead Acid batteries
- Flat discharge curve – Constant power for longer
- Fuel Gauge – Displays battery power status
- Different connection options
- Folding carry handle
- Protected against: overcharge, over temperature, over current, deep discharge, short circuit.

Precautions in use

- DO NOT attempt to dismantle the battery pack in any way
- DO NOT short circuit your battery pack – it could overheat and cause fire or explosion
- DO NOT use as a cranking battery or for starting an engine
- Your battery pack will need to be charged fully before use
- If storing your battery pack, store in a charged state. Recharge every 4 months
- Charge your battery directly after each use. Leaving your battery in a fully discharged state will seriously and permanently damage its performance
- It is recommended to recharge the battery pack within 12 hours if fully discharged
- Excess heat will degrade the battery pack rapidly. Always store your battery pack in a cool dry place
- DO NOT leave for long periods in the sun or in a hot vehicle
- DO NOT immerse your battery pack in water
- DO NOT dispose of in normal household refuse.

USB connectors operation

The battery is fitted with three USB outputs. These need to be turned on to give an output. These are turned on and off as follows:

- Press and hold the fuel gauge button for at least 3 seconds (the fuel gauge will show the status of the battery during these three seconds) until the bottom red LED starts flashing, then release holding the button.
- The USB outputs are now turned on and the red LED will keep flashing to indicate this.
- Whilst these USB outputs are activated, to observe the battery status then just momentarily press the Fuel Gauge push button.
- The USB outputs will draw a small amount of current from the battery and must be turned off when not in use.
- To turn the USB outputs off then press and hold the fuel gauge button for at least 3 seconds until the bottom red LED stops flashing.

Optional Accessories

The following optional accessories are available

TR8125 - Eyelets to 12V Socket

TR8405 - EC5 to 2.5 DC Plug

TR8409 - EC5 to 2.1 DC Plug

TR8100/1 - Neoprene carry case

Please visit tracerpowers.com to see a full list of available accessories.

Recharging the battery pack

- Only use the LiFePO₄ charger supplied with the battery pack, or a Tracer approved charger. Visit tracerpowers.com for information on more chargers.
- Do not use this charger for any other purpose. It has been designed to be used with Tracer LiFePO₄ battery packs only.

1. Plug the charger into AC mains – the LED light on the charger will glow GREEN
2. Plug the charger lead firmly into the battery pack's Charge port – the LED light on the charger will change to RED to indicate charging
3. When the LED light changes back to GREEN the battery pack is fully charged
4. Disconnect the charger from the battery pack and from the AC mains

Additional charging information

DO NOT leave the charger connected to the battery for long periods after the battery is charged.

Charging voltage: 27.6V – 29.2V

Charge time: 4-6 hours (with supplied charger)

Uninterrupted Power Supply (UPS): It is possible to use the battery pack whilst on charge. The application's current requirement must not exceed the charger's current, i.e. 2A with supplied charger.



Code	Model	Dimensions (mm)				Weight	Charge Time (hrs)		Run time (hrs) 100W	Max discharge current	
		A	B	C	D		12V 4A	12V 10A		Continuous	Peak (for 10ms)
BP2564	12V 16Ah	165	125	110	35	2	4-6	2-3	2	30A	90A
BP2568	12V 24Ah	165	160	110	35	2.9	6-8	3-4	3	30A	90A
							24V 2A	24V 5A			
BP2578	24V 8Ah	165	125	110	35	2	4-6	2-3	2	15A	30A