



Tracer
Cell Pack Solutions Ltd, 6 West Walpole Street,
South Shields, Tyne and Wear, NE33 5BY, UK.

T: +44 191 496 9999
E: info@tracerpower.com

Battery fuel gauge operation

IMPORTANT: The battery fuel gauge must be operated **AT LEAST** 2 minutes after the load (such as a lamp) has been switched off and when the charger is disconnected. 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.

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
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 set out 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 and Peli™ Case
- Tracer mains Fast Charger
- Amphenol plug to bare ends (1m)

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



LiFePO4 Peli™ Case Kits:

Operating instructions (12V & 24V)





This is the latest portable battery pack technology from Tracer.

Please take a moment to read carefully the following instructions to get the best performance from your lithium battery pack.

Features

- Lightweight – approximately ¼ of the weight of equivalent capacity sealed lead acid batteries
- Strong and robust Peli™ Case for transport and protection
- Flat discharge curve – constant power for longer
- Fuel gauge – displays battery power status
- Fitted with two Amphenol connectors – reliable, long-lasting, easy and extremely precise locking system
- No memory effect – can be recharged after partial discharge
- Protected against: overcharge, over temperature, over current, deep discharge and short circuit.

Precautions in use

- Do not attempt to dismantle the battery pack in any way
- Do not short circuit your battery pack – although protected it could overheat
- Only use the charger supplied with battery pack
- 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 6 months
- It is recommended to recharge the battery pack within 12 hours if fully discharged
- Operating temperature (charging): 0°C to 40°C
- Operating temperature (discharging): -10°C to 60°C
- Excess heat will degrade the battery pack. 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.

Operation

- Each Amphenol socket can be used for charge or discharge
- To insert the Amphenol connector align the connector's slots, push forwards and then rotate clockwise until a positive click is heard and the quick lock is engaged
- To remove the Amphenol connector pull back the quick lock release, then rotate the connector anti-clockwise and pull away from the socket
- Individually, Amphenol connectors offer up to 20A continuous output at ambient
- A combined output of 30A can be achieved if the two connectors are used with a tracer LifePO₄ 30A output lead. Visit tracerpower.com.

Please note – if both sockets are being used as output connections the total current must not exceed 30A.

Using as a backup or “float” power supply

- The battery can be used as a backup power supply by connecting the charger to one Amphenol socket and connecting an output connection to the other Amphenol socket.
- If using as a backup power supply ensure the output current does not exceed the current supplied by the charger.

Important charger information

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

Recharging the battery pack

For guidance on charging your battery pack please refer to the instruction manual supplied with your charger.

Transportation

There are many regulations regarding the transportation of lithium batteries.

Please consult the IATA, your airline, local carrier or tracerpower.com for more information.



Code	Model	Dimensions (mm)				Weight (kg)	Charge time (hrs)		Max discharge current	
		A	B	C	D		12V 10A	12V 20A	Continuous	Peak (for 10ms)
BP2786	12V 40Ah	300	249	119	50	6	5-7	3-5	30A	60A
BP2788	12V 80Ah	411	322	168	50	10.8	12-15	6-9	30A	60A
BP2789	12V 100Ah	411	322	168	50	13.2	14-18	9-14	30A	60A
BP2790	12V 170Ah	462	340	170	50	22	22-30	13-18	30A	60A
							24V 2A	24V 5A		
BP2785	24V 20Ah	300	249	119	50	6	10-12	5-7	30A	60A