



OWNER'S MANUAL

Lithium Battery Pack

48V 20Ah



OSET Corp

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OPERATING INSTRUCTIONS

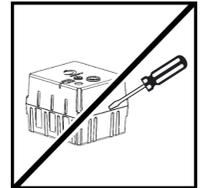
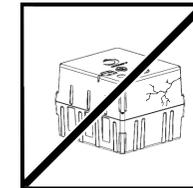
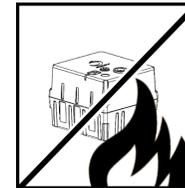
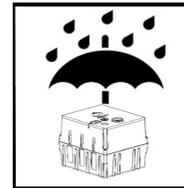
Thankyou for choosing this OSET lithium battery pack.
We hope it provides you with many hours of fun riding.

Every pack we produce is subject to strict testing and quality checks.
Nevertheless the service life of the pack is dependent on how
it is used, stored and maintained.

Please take a moment to become familiar with these operating
instructions before using the battery as the more care you take
of the pack, the longer it will provide you with reliable service.



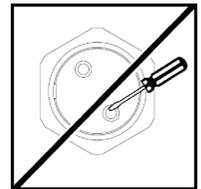
SAFETY



- Keep pack dry where possible.
- DO NOT expose the pack to open flames.
- DO NOT use if the pack is damaged or deformed in any way.
- DO NOT open or attempt to break into a battery pack.
(For maintenance or repairs please contact your local OSET dealer)

WARNING:

When handling the battery, avoid touching the pins on any of
the ports, as you may inadvertently create a short circuit.
Also take care not to drop the battery pack as the casing &
internals could become damaged.



PROPER USE & BEST PRACTICE

The OSET lithium battery pack is designed & intended for use **only** with OSET bikes. The user
bears responsibility for any damage caused by inappropriate use or incorrect storage.

We recommend charging the battery fully after every use, no matter if it was fully discharged
or not. For more information on charging please see page 3.

DO NOT try to modify or change the battery pack in any way. For technical assistance
contact OSET or your local OSET dealer.

The correct operating temperature for the pack is from -10°C to 45°C , although to avoid cell
deterioration, please store in a cool dry place (between $0-30^{\circ}\text{C}$) when not in use.

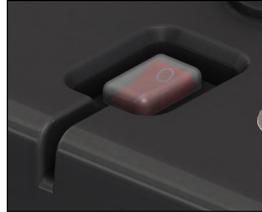
DISCHARGING

In order to use the bike, first the battery must be connected to the main power lead on the bike's wiring harness.

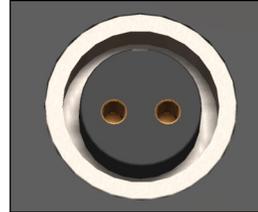
- Connect the bike's power lead to the main discharging port on the battery (A). Ensure the threaded plug is tightened **securely**.
- Switch the battery on before use (B).



(A)



(B)



(C)

NOTE

If the battery is not used for 2 hours, it will revert to a *power saving mode*. You will need to turn the battery off & on again before it can be used if it is in this mode.

CHARGING

Note: Please use the 48V OSET Li-Ion charger **only**. Ensure you have checked you have the correct charger and that you have read & understood these instructions for the charger before use.

The battery can be charged in either the on or off setting.

- 1) Disconnect the discharging lead of the bike first, before connecting the charger to the smaller charging port beneath the threaded cap on the battery (C).
- 2) Connect the charger to the mains power supply & turn on.
- 3) The LED on the charger should illuminate orange, showing the battery is charging. Once this LED turns to green, the battery is fully charged & the charger can be unplugged.

WARNING:

If the charger LED is flashing red, this indicates a fault. Please unplug the charger immediately.

The maximum charging time for one charging cycle is **10 hours**. After this time the charger should stop charging & the red LED should begin to flash. If for any reason the battery is not fully charged after 10 hours it is safe to unplug & reconnect the charger, restarting the charging process.

Note: The battery will enter a 'Low Voltage Protection' mode if the voltage drops below **34.0V**. If the battery voltage falls this low, please charge the battery fully within 24 hours, to prevent the cells deteriorating.

If the battery voltage falls below 25V, this indicates there is a significant fault with the battery pack. Please **do not** attempt to charge a battery with a voltage this low.

CHARGING TROUBLESHOOTING

- **Problem:** Power LED (red) on the charger is not on.
Solution: Check if the mains plug socket is working correctly.
Fault: If yes & LED still does not illuminate, suspect faulty charger.
- **Problem:** Charging LED (orange) is not on.
Solution: Check if the charger is correctly connected to the battery.
Solution: Check if the battery is already fully charged.
Fault: If both solutions have been checked, possible faulty charger.
- **Problem:** Charging LED (orange) does not turn green.
Fault: Possible battery fault. Please disconnect charger immediately.
- **Problem:** Charging LED (orange) turns green immediately.
Solution: Check if the battery is already fully charged.
Fault: If battery is not fully charged, possible battery fault. Please disconnect charger immediately.

STORAGE

In order to prolong the battery pack's service life, it is vital the battery is stored correctly.

- If stored turned on, a battery could slowly discharge itself to a potentially critical level.
- Please store the battery fully charged & in the turned '**off**' setting,
- Please check the battery voltage **every 3 months** to avoid over discharging & permanent cell damage.
- Store the battery in a **cool & dry** place, (less than 30°C).
- **Avoid** lifting the battery by either the charging or discharging plugs.
- When not in use, we recommend you replace the caps to cover the battery pack's charging, discharging & diagnostic ports



BATTERY DISPOSAL

Over time your lithium battery pack's capacity will reduce, until it reaches the end of its service life. This is perfectly normal & to be expected.

Battery packs contain a large amount of valuable raw materials & plastics which can all be recycled if disposed of correctly.

Please **do not** dispose of the battery with general household waste.

Contact your local refuse handling center for more details on battery recycling and disposal. In if doubt, please contact OSET for help & advice with disposing of your old batteries.

