

POWERTECH

MB3924

8 State Lead Acid and Lithium Battery Charger



Instruction Manual

Please read and save all instructions to ensure safe and effective use of this product.



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WARNING AND SAFETY INFORMATION

- For indoor use ONLY!
- Do not charge non-rechargeable batteries.
- Please check the battery capacity should not be more than 120Ah.
- During charging the battery must be placed in well ventilated area.
- Batteries which are to be disposed of must be done in a safe manner.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children should be supervised to ensure that they do not play with the appliance.
- Disconnect the supply before making or breaking connections to the battery.
- The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains.
- After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.

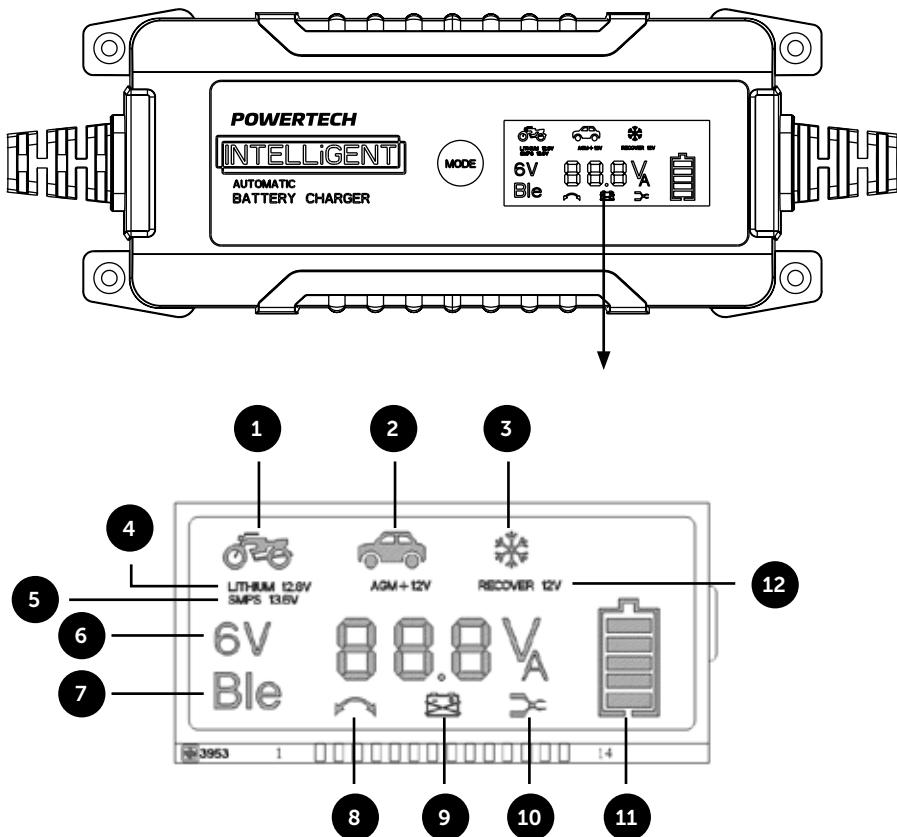
PRODUCT INFORMATION

This is a mains charger for 6V or 12V Lead-Acid batteries (Wet, Gel, MF, AGM) and 12.8v LiFePO4 Lithium batteries. The charging process is automatic.

You can monitor the charger on your iOS or Android device using Bluetooth.



PRODUCT DIAGRAM



| Item | Indication | LED |
|-----------------------|--|--|
| Power On Reset | LCD display will flash twice for self-check. | Flashing |
| 1 | 12V Small | On |
| 1 & 3 | 12V Small Cold | On |
| 2 | 12V Normal | On |
| 2 & 3 | 12V Cold/AGM | On |
| 3 & 7 | 6V Cold/AGM | On |
| 4 | Lithium | On |
| 5 | 13.6V Power supply | On |
| 6 | 6V Normal | On |
| 7 | Bluetooth APP control function | On |
| 8 | Connected in reverse polarity | Flashing |
| 9 | Flashing: 1. Timer>2hours at step2 and step3 Recovery+Soft start charge. (red on) If 12V recover (+) mode <12V after 4hours. 2. Timer>15hours at Lithium Bulk charge.) 3. Total Timer>40hours at Pb battery modes. 4. Battery voltage>14V, Vbat=1.0-3.7V | Flashing |
| 10 | Battery not connected | Flashing |
| 11 | Capacity of battery • Flashing with different no. of bars, 5 bars means fully charged. • Steady: Full charged after 3sec. | Flashing for charging; On for fully charged |
| 12 | 12V Recover(+) | On |

USAGE INSTRUCTIONS

| Mode | Explanation |
|--------------------|---|
| Standby | In Standby mode, the charger is not charging or providing any power to the battery. |
| 6V Normal | For charging 6-volt Lead-acid batteries only, like Wet Cell, Gel Cell batteries. |
| 6V Cold/AGM | For charging 6-volt advanced AGM batteries, which requires a higher than normal charging voltage. |
| 12V Normal | For charging 12-volt Lead-acid batteries only, like Wet Cell, Gel Cell batteries. |
| 12 V Cold/AGM | For charging 12-volt AGM batteries, which requires a higher than normal charging voltage. |
| 12V Small Normal | For charging 12-volt Lead-acid batteries only, like Wet Cell, Gel Cell batteries. Allows the unit to operate at a lower charge current for smaller batteries. |
| 12V Small Cold/AGM | For charging 12-volt AGM batteries, which requires a higher than normal charging voltage. Allows the unit to operate at a lower charge current for smaller batteries. |
| 12V Recovery | An advanced battery recovery mode for repairing and restoring, old, idle, damaged, stratified or sulfated batteries. |
| Lithium | For charging 12-volt Lithium Iron Phosphate (LiFePO4). For use on batteries with Battery Management Systems (BMS) only. |
| Power supply | Supply Mode converts the charger to a constant voltage DC power supply. It can be used to power 12VDC and devices, tire inflators, seat heaters and more. As a power supply, it can also be used to retain a vehicle's on-board computer settings during battery repair or replacement. |

NOTE: Lithium 12.8v mode will not be selectable when you connect a 12.8v Lithium battery that is already fully charged (Voltage above 13.8v DC).

CHARGE A BATTERY

1. Connect the charger clamps to the battery. Red to +, black to -.
2. Plug the charger into the wall socket. LCD flashes twice. If the double-ended arrow (9) is blinking, check the polarity of the battery clamps.
3. Press the "Mode" button to cycle through the charging programs (6V Normal or 6V Cold/AGM; 12V Normal or 12V Cold/AGM or 12V Small Normal or 12V Small Cold/AGM).
4. Long-press the "Mode" button to set the charger to the Lithium 12.8V mode. Press again to set Recover 12v Mode. Press again to return to Standby. Please note that Lithium 12.8v mode will not be selectable when you connect a 12.8v Lithium battery that is already fully charged (Voltage above 13.8v DC).
5. If the clamps are not connected to the battery, long press the "Mode" button to set "Power supply" mode. Press again to return to standby.

Lithium Recovery mode : For 12.8V LiFePo4 batteries that are in protection mode and need to be reset.

1. Attach charger to LiFePo4 battery in protection mode
2. Press and hold mode for 3-5 seconds
3. Charger should display lithium on the screen
4. Charger will reset battery and start lithium charging mode

BLUETOOTH

Download the "BT Charger 2.0" App for your iOS or Android device by scanning the QR code below to use Bluetooth function.



SPECIFICATIONS

| | |
|------------------------|--|
| Input: | 220-240V~ 50Hz 2.0A |
| Output: | 6VDC @ 6A 12VDC @ 6A 12VDC @ 900mA 12.8VDC @ 6A 13.6VDC @ 6A (Power Supply mode) |
| Battery capacity: | 6V 12Ah-120Ah 12V Small 1.2Ah-12Ah 12V 12Ah-120Ah 12.8V Lithium (LiFePO4) 8A-50Ah |
| Operating Temperature: | 0°C to +40°C |
| Dimensions: | 280 x 120 x 68 mm |
| Battery types: | 6V & 12V Lead-Acid (WET, GEL and AGM) 12.8V Lithium (LiFePO4) |
| Insulation Class: | IP65 |

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by: Electus Distribution
Address 46 Eastern Creek Drive, Eastern Creek NSW 2766
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