

front side

5. Electrical Parameters

Modes	6V	12V	Temperature
Constant current	1.5A, until the voltage reaches 6.8V	1.5A, until the voltage reaches 13.8V	0~40°C
Constant voltage	Current reduces until voltage reaches 7.2V	Current reduces until voltage reaches 14.2V	0~40°C
Floating charge	6.8V~7V, output current avoids battery voltage dropping	13.4V~14V, output current avoids battery voltage dropping	0~40°C

POWERTECH PLUS

Automatic 3-Stage 6/12V Battery Charger MB-3609

User Manual



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1. Introduction

This 3-stage maintenance charger is for 6 or 12 volt sealed lead-acid batteries. It automatically diagnoses, recovers and recharges with up to 1.5A output current. The charger conveniently adjusts its charge settings to suit various sized batteries and charging requirements with high efficiency and low loss.

It is a great option for automobile storage battery charging.

2. Features

- Three charge modes: Constant Current, Constant Voltage and Floating Charge
- Easy to use with power and charging light indicators
- Includes short circuit and reverse polarity protection
- Suitable for 12V storage battery with capacity of 6 to 20Ah
- Provides a charging current of 1.5A
- Maximum conversion efficiency >75%
- Operating characteristics of electric apparatus

3. Product Operation and Warnings

Please ensure you operate the charger properly to minimise risk of damage.

1. 200-240VAC: Ensure the mains voltage complies with this battery's specifications before use.
2. When the charger is connected to power the LED is green.
3. Charging 12V storage battery: Clamp the RED clip to the POSITIVE electrode and clamp the BLACK clip to the NEGATIVE electrode. Battery will not charge if clamped the other way round.
4. When battery is charging, the charge LED is red.
5. When battery is fully charged, the charge LED will turn green.
6. If charge LED is off, then the battery is full. You may disconnect the clips from the Electrodes.
7. Please avoid storing the product at temperatures above 40°C.
8. Please select the correct switch position according to your battery specification before connection (IMPORTANT!).

4. Input/Output Flow Chart

