M 8528 3-Step Lead Acid Battery Charger

Instruction Manual

The Powertran M 8528 Lead Acid Battery Charger offers 3 stage battery charging which provides optimum charge for fully maintaining batteries. This type of charger gives extended battery life, and allows for the charger to be permanently connected to the battery.

Features: • Reverse polarity protection, short-circuit protection • Ultra-low back current drain • LED charge status indicators

Before use please read the specifications to ensure the correct battery type is used, and read the warnings as batteries can emit explosive gases.

Operation:

1. Connect the battery charger:

a. With battery in a vehicle: The battery terminal not connected to the chassis must be connected first. The other connection is to be made to the chassis. Set the battery voltage selection switch to 6 or 12V to suit the battery being charged. The charger can now be connected to the supply mains. The charger can now be switched on. When battery charging is no longer required, disconnect the battery charger from the supply mains, remove the chassis connection first, and then the battery connection.

b. With battery not in a vehicle: Connect the red charging clamp to the positive (+) terminal of the battery and the black charging clamp to the negative (-) terminal of the battery. Set the battery voltage selection switch to 6 or 12V. Connect the battery charger to the supply mains and switch on.

When battery charging is no longer required, disconnect the battery charger from the mains supply. Remove the black (-) negative clamp first and then the red (+) positive clamp.

2. Battery Charging is indicated by RED (Boost charging), then YELLOW (Timer charging). The charger will switch from red to yellow when the battery is about 80% charged. The charger will switch to GREEN (float) charging when fully (100%) charged. When the indicator is green (ie fully charged) the charger can be disconnected, or remain connected without damage to the batteries to maintain the batteries in a fully charged state. Note that charging times can vary, as a deeply discharged battery may take some time before it draws enough current to cause the LED indicator to change colour.

Note that if the battery is removed from the charger, to resume charging again, re-connect the battery, switch off the charger and switch on again to start charging again.

Specifications

Rated Input	100-240V~50/60Hz 55W
Inrush Current	<50A
Back Current Drain	
Ripple Max	150mV rms
Ambient Temperature:	0°C - 40°C
Cooling:	Natural convection
Start Up Conditions: Min 1.0 Volt, battery in	
Max. battery capacity	6V 6 – 12Ah
	12V 11 – 60Ah
Dimensions	106 x 65 x 45mm
Weight	295g
SAA approved	

Charging step outputs

stant current 2.7A
rption stage 7.3V
Float stage 6.9V
stant current 2.7A otion stage 14.8V Float stage 13.8V



- Disconnect the supply before making or breaking the connections to the battery.
- Do not expose to rain or moisture.
- WARNING: Explosive gases Prevent flames and sparks Provide adequate ventilation during charging.
- Do not obstruct ventilation slots.
- · Do not charge non-rechargeable batteries.
- During charging, the battery must be placed in a well-ventilated area.
- The appliance is not intended for use by children or infirm person unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- Should the charger fail to operate or show indications of not operating properly, unplug immediately and make sure that the charger is not put into further use.
- No user serviceable parts.

