

TRADECHARGE



TradeCharge27

RCBT27 – 27A, 12v Bench Charger, 150A Engine Start



Instructions

12v

24v



User Manual

Retain these instructions for future use

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TRADECHARGE

1 Product Overview




1. Ammeter
2. 12v/24v positive (+) lead connectors
3. Thermal reset fuse button
4. Charging/Starting modes
 - Slow/Fast charge
 - Engine start
5. AC supply ON/OFF switch
6. Negative (-) battery clip
7. Positive (+) battery clip



2 Operating instructions

2.1 Battery Charging


1. Ensure the AC mains plug is not connected to the AC supply
2. Ensure the ON/OFF switch is in the OFF position
3. Select the required charging voltage - 12v or 24v - on the rear face of the charger connect the red (+) positive battery lead to either the 12v or 24v connector
4. Connect the red (+) positive battery clip to the positive (+) terminal on the battery
5. Connect the black(-) negative battery clip to the vehicle chassis, away from the battery and fuel line
6. Select the Charge mode required - Slow Charge or Fast charge

 Check the correct battery voltage is selected before switching on the charger


7. Connect the AC mains plug to the AC mains power and turn the ON/OFF switch to the ON position
8. Observe the charge rate on the ammeter after about 1 minute. If charging on 'Fast Charge' setting and it exceeds 10% of the battery capacity then reduce the charge rate to 'Slow' charge. E.g. for a 100Ah battery, charge rate should be 10amps or less
9. The charge rate will slowly reduce until it gets close to zero, at which point the charger should be switched off to protect the battery against overcharging
10. Switch off battery charger and disconnect the AC mains supply. Disconnect the red (+) positive battery clip. Disconnect the black (-) negative battery clip

2.2 Engine Start

1. Ensure the AC mains plug is not connected to the AC supply
2. Ensure the ON/OFF switch is in the OFF position
3. Select the required charging voltage – 12v or 24v - on the rear face of the charger connect the red (+) positive battery lead to either the 12v or 24v connector
4. Connect the red (+) positive battery clip to the positive (+) terminal on the battery
5. Connect the black(-) negative battery clip to the vehicle chassis, away from the battery and fuel
6. Select Start function on the Charging/Start mode switch

 Check the correct battery voltage is selected before switching on the charger

7. Connect the AC mains plug to the AC mains power and turn the ON/OFF switch to the ON position
8. Turn on the vehicle and crank the engine for a MAXIMUM of 5 seconds. If the vehicle does not start, wait 30 seconds and then try again for a maximum of 5 cycles
9. Once the vehicle is running, switch off and disconnect the AC mains supply. Disconnect the red(+) positive battery clip. Disconnect the black (-) negative battery clip

 Before using the Engine Start function a 5 minute fast charge is recommended to prevent tripping of the mains fuses

Overload Protection

2.3 Output Fuse

The unit front panel is fitted with a protective thermal fuse, which may operate if the unit is overloaded, shorted or connected with reverse polarity

1. Ensure AC mains plug is not connected to the supply
2. Wait a few minutes then push the trip switch to reset

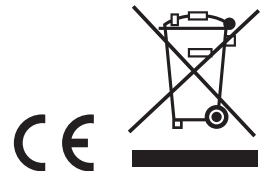
Transformer Thermal Trip

The unit is fitted with a thermal cut-out device, which will activate if the unit overheats. Should this happen the lamp inside the ON/OFF switch will go out . Once cooled the unit will automatically reset and resume normal operation



3 Specifications

AC Input Voltage	230v AC
AC Input Power (12v/24v)	500/1000w
Charge current (RMS)	27A
Charge Current (EN)	19A
Start Current (RMS)	150A
Battery capacity	30-300Ah
Output Fuse	Thermal
Dimensions (mm)	300x300x230
Weight (Kg)	10.6Kg



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