Battery Charger with Tester: R1205DA

DC12V / 5Amp, Automatic, Panel Mountable **Battery Charger**
with **"Push to Test"** Battery Condition Tester Button

c UL us UL Certified: E509025



Specification

Input	AC 120V, 60Hz	**Lead Wire**	3-Prong Plug
Output	DC 12V, Max 5Amp	**Battery Cables**	24 inches, 16AWG
Charge Current	Max 5Amp	**Size**	138x105x52mm
Type of Battery Used	12V Lead-Acid Battery	**Weight**	0.8kg
Efficiency	>85%	**Shell Material**	Aluminum

Description of Charger

- Max 5Amp charger for DC12V battery with 3 charging steps as follow:
  1) Constant-Current Charge---when the battery voltage is lower than set point, It will charge the battery at the max current which is called quick charging.
  2) Constant-Voltage Charge---when the battery is almost been fully charged, The charger will limit the current automatically.
  3) Float Charge---when the battery voltage reaches the set float voltage of 13.5V, The charger will automatically switch to the float charging status with current below 0.5A.
- LED indicates the status of power and stage of charging.
- Reverse polarity protection
- Output short circuit protection
- Over charge protection

Description of Battery Condition Tester

- LCD display verifies the conditions of battery and alternator/charging system.
- Monitor the condition of battery and charging system with a **"Push to Test"** button.
- Pressing the **"Push to Test"** button will indicate when a replacement is needed.

User Manual

1) Connect the positive (Red) cable to the positive terminal of the battery and the negative (Black) cable to the negative terminal of the battery.
2) Connect the power outlet (AC120V/60Hz) to the 3-prong plug of the battery Charger.
3) The LED of Battery Charger will indicate the status of power and the stage of charging.
4) The LCD of Battery Capacity Display will indicate the status of the battery and charging system by pressing a "Push to Test" button.
5) To test a battery, the vehicle's engine and lights & accessories must be turned off and the unit must be unplugged from the AC power.
(Note: Testing results will read incorrect when connected to AC power).

- Disconnect the AC power before installing battery to charger
- Use only with 12Volt Lead-Acid Battery
- Lifespan will be shortened if working in environment such as much moisture and high temperature

LED indication

Battery Charger

Led Light	Description	On/Off	Condition
Green	Input AC Power	On	AC power is present.
		Off	Check wall receptacle for AC120 volts or check lead connections.
Red/Green	Charging Status	Red On	Charging
		Green On	Charged

LCD indication

Battery Condition Tester

Battery Capacity	Condition	Remedy
Below 25%	Battery is dead (below 11.2V).	Replace battery.
25% – 50%	Battery is poor (11.2 to 11.7V).	Stop work and charge battery fully.
50% – 65%	Battery is fair (11.7 to 12.2V).	Charge battery fully.
65% – 80%	Battery is good (12.2 to 12.7V).	Charge battery to maintain.
80% – 100%	Battery is good (12.7 to 13.3V).	Charge battery to maintain.

Trouble shooting when charger doesn't work:

1. Check to make sure AC120Volt power is rightly connected.
2. Make sure battery terminals are securely connected and free from corrosion.
3. Check to make sure there is no short circuit or over currency on output.
4. Stop charging if battery gets hot, if battery is bad, repair or replace the battery.
5. Check battery with "Push to Test" Button, if battery is too low, repair or replace the battery.
6. Make sure battery terminals are connected to correct terminals of charger as stated in manual.
7. Check whether a DC12Volt battery is connected, use only with DC12Volt Lead-Acid Battery.

Jan. 6, 2020