

Battery Charger with Tester: D1208T-R



DC12V/8Amp, Automatic, Panel Mountable **Battery Charger** with
"Push Button" Battery/Alternator Tester



Specification

Input	AC 120V, 60Hz	Lead Wire	3-Prong Plug
Output	DC 12V, Max. 8Amp	Battery Cables	24 inches, 16AWG
Charge Current	Max. 8Amp	Size	175x105x60mm
Type of Battery Used	12V Lead-Acid Battery	Weight	1.0kg
Efficiency	>90%	Shell Material	Aluminum

Description of Charger

- Max 8Amp charger for 12V battery with 3 charging steps by PWM technology 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 setted float voltage of 13.5V, it will automatically switch to the float charging condition with current of 0.1A~0.3A.
- LED indicates power and stage of charging
- Reverse polarity protection & Output short circuit protection & AC input protection
- Over charge protection & Over thermal protection

Description of Battery/Alternator Condition Tester

- LED indicators verify the conditions of battery and alternator/charging system
- Monitor the condition of battery and alternator/charging system with a "Push Button"
- Press a "Push Button" to know when replacement is actually needed

- 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 (110VAC/60Hz) to the 3-prong plug of the battery Charger.
- 3) The LED of battery charger will indicate the status of the charger.
- 4) The LED of battery tester will indicate the status of the battery and alternator/charging system.
- 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.
- 6) To test an alternator/charging system, the engine must be running at min. 2000rpm 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).*
- 7) Then simply push the "PUSH" button to get your test results.



- ※ 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 110 volts or check lead connections.
Red/Green	Charging Status	Red On	Charging.
		Green On	Charged

Battery & Alternator Condition Tester

Red	Yellow	Blue	Green	Condition	Remedy
OFF	OFF	OFF	OFF	Battery is dead (below 11.2V).	Please replace it.
ON	OFF	OFF	OFF	Battery is poor (11.2 to 11.6V).	Please stop work and charge it to fully.
ON	ON	OFF	OFF	Battery is fair (11.7 to 12.2V).	Please charge it to fully.
ON	ON	ON	OFF	Battery is good (12.3 to 13.6V).	Please charge it for maintaining.
ON	ON	ON	ON	Alternator/charging system is good.	
--	--	--	OFF	Alternator/charging system is faulty.	Please repair it

Trouble shooting when charger doesn't work:

1. Check to make sure the power connected rightly to AC120V
2. Check whether battery terminals are in good touching with wire clip of charger, if terminals are oxidized, clean it please.
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, please repair or change battery.
5. Check battery with battery tester, if battery is too low, the charger won't work, please repair or change battery.

When beeping:

6. Check whether battery terminals are connected with charger reversely, if so, connect again rightly.
7. Check whether a battery over DC12V was connected, use only with DC12V Lead-Acid Battery please.
8. Check whether the body of charger is over 65°C, it will start to work again after cool down.