



OPERATING INSTRUCTIONS

SPARK BATTERY CHARGER & MAINTAINER

Model EPA1205

Designed for lead acid batteries



INTRODUCTION:

The Spark is designed to charge and maintain all lead acid automotive/marine 12 volt batteries. The Spark can be left connected for extended periods of time without harm to the battery. The Spark prevents sulfation which shortens battery life.

See the back label for the output ratings of your Spark. Model EPA1205 is not for use on motorcycle, or lawn and garden batteries.



BATTERY SAFETY & CARE INFORMATION

Always wear protective eye shields and clothing when working with batteries. Batteries contain acids which can cause bodily harm. Do not put wrenches or other metal objects across the battery terminal or battery top, arcing or explosion of the battery can result. Do not wear jewelry when working around batteries, arcing can cause severe burns.

Provide adequate ventilation when charging batteries. Chargers can ignite flammable materials and vapors. Do not use near fuels, grain, dust, solvents, or other flammables. Do not smoke around batteries when charging.

Do not charge batteries in excessively hot temperatures; wait till the cool of the evening.

The tops of the batteries and battery hold downs must be kept clean and dry at all times to prevent excessive self discharge and flow of current between the battery post and frame.

With wet cell batteries, maintain the proper electrolyte level by adding water when necessary. Never allow the electrolyte level to fall below the top of the battery plates. Electrolyte levels fall during discharge and rise during charging. Therefore, **to prevent the overflow of electrolyte when charging, add water only after the batteries have been fully charged, or just enough to cover the plates if discharged.** Old batteries require more frequent additions of water than do new batteries.



OTHER SAFETY INFORMATION

Do not use charger if it shows signs of physical stress, or if there is damage to the insulation on the DC output leads or power cord.

Do not disconnect the DC output connections from the batteries when the charger is on, the resulting arcing could cause the batteries to explode.

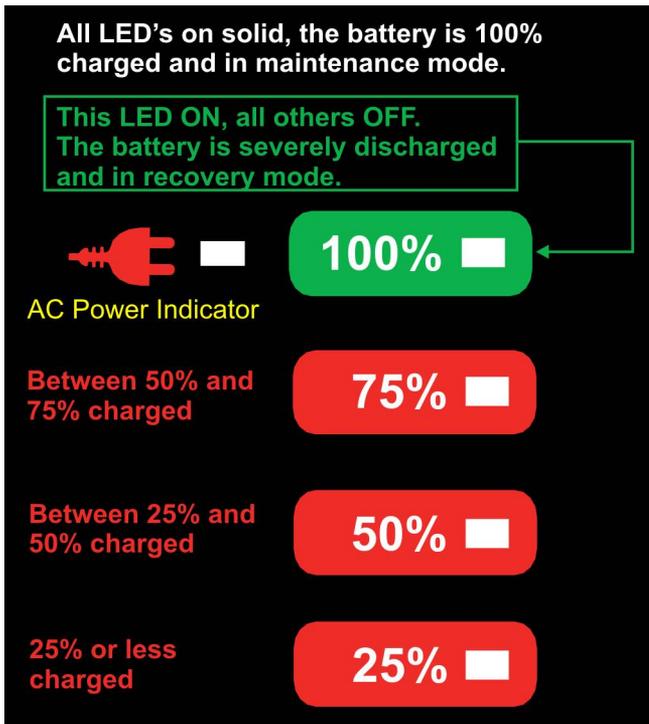
Failure to unplug AC power or DC connections before moving or driving equipment will result in damage to cords, plugs and receptacles.

OPERATION:

Using the battery clips, or the ring terminal attachment, observe polarity and, connect the spark to the battery.

Plug the Spark into any 120-240 volt receptacle.

Below is an interpretation of the LED's during normal operation:



OTHER INTERPRETATIONS:

A rapid flashing of all the LED's means the connections are reversed. Unplug AC power, reverse connections, and plug back in.

If no LED's come on, the charger is not making contact with the battery, check all connections.

The battery could also be too low to turn the charger on, the Spark requires about 4.5 volts at the battery terminals to turn on. If your battery is lower than this, consider connecting a charged battery across the dead batteries terminals, *careful not to connect reverse!* This extra voltage will turn the Spark on. Once on, the jumper battery can be disconnected.

Make sure you have power at the AC receptacle.

If the 100% LED is on, and the rest are off, the charger is putting the battery in recovery mode.

 The Spark will get warm and even hot during use, and is self-cooling, do not allow towels, blankets, or other heat holding materials around it. Do not lay the Spark on carpet, or materials that could be damaged by heat, including vehicle interiors. Place the Spark on a concrete surface.

QUICK CHARGE
Spark- Battery Charger/Maintainer
“LIMITED WARRANTY”

Quick Charge Corporation warrants the Spark for (2) years from the date of purchase. The Spark is not a repairable product. If you suspect your Spark is defective, return it, freight prepaid to:

Quick Charge Corp.
1032 S.W. 22nd St.
Oklahoma City, OK. 73109

If the Spark is found to be defective, Quick Charge, will replace it. The item will then be returned, freight prepaid by Quick Charge. This warranty is void if the charger has been altered, changed, or repaired by anyone not authorized by Quick Charge, or if the charger has been subjected to misuse, negligence, or harsh environmental conditions. (Except those chargers designed for such conditions)

Quick Charge corporation shall not in any event be liable for the cost of any special, indirect or consequential damages to anyone, product or thing. This warranty is in lieu of all other warranties expressed or implied. Quick Charge neither assumes nor authorizes any representative or other person to assume for us any liability in connection with the sale of this product.

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