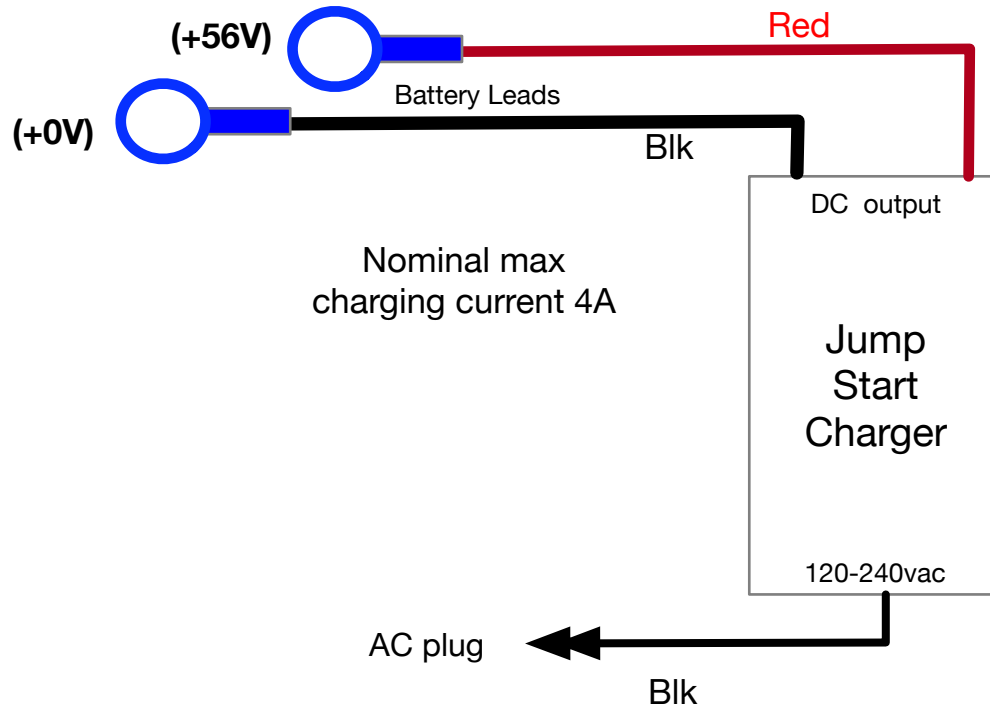


## Lithium Jump Start Charger rev. 1a



### Operating Principles

Unit is designed to awaken and recharge lithium batteries when BMS has the battery in standby. DC output will supply 50 to 54 volts DC, depending on the lithium battery state of charge.

The output lines are fuse protected against overload, and are reverse polarity and over voltage protected.

For normal operation, fasten ring connectors to the battery terminals, and then plug into AC power. The fan noise and LED indicator will activate under normal use.

It is OK to leave the unit connected to the battery all the time, simply remove AC power when jump starter is not required.

If battery has been severely discharged, it may require several hours of jumpstart charging. It is OK to have the solar system equipment connected simultaneously with the jump starter. As soon as the battery awakens, the solar equipment will begin operating as normal.

**Caution:** Lithium batteries do not require trickle charge, do not leave this unit continually charging the battery for extended periods