Read First Very Important!!!

Models:

DC2DC12, DC2DC16,DC2DC24,DC2DC36 are programmed to be used on only lead acid, gel or agm cranking batteries only. **Cannot be used with Lithium cranking batteries.**

DC2DC12-L, DC2DC16-L, DC2DC24-L, DC2DC36-L are programmed for use with Lithium cranking batteries.

How to setup DC Chargers in your boat:

Warning: Wiring in reverse polarity will damage the unit and void the warranty so make sure to follow label instructions, and instructions below.

1. Wire Red input wire to cranking battery positive (note: use 60amp circuit breaker between the run and gun charger and the battery, to be able to turn off the charger.)
2. **Use 1 60amp circuit breaker per run and gun charger**
3. Wire Black input wire to negative post on cranking battery
4. Wire White output wire to battery you want to charge on the positive post. **Make sure to install an inline 20amp fuse between the battery and the DC charger on white wire.**
5. Wire Black output wire to ground
6. Slight ark is normal when hooking up wires.

Note if you are using a run and gun for a 24v or 36v series setup then hook positive and negative on the same post as your trolling motor is attached. (Ex: 3 12volt batteries)

How to setup your system so it works the best on and off the water:

Setting up 12v or 16v Run & Gun by itself: You need to have a minimum of 10 amps going to the starting battery charge lead or leads. Do not exceed 20amps charge on your 12v cranking battery.

Setting up 24v, 36v with or without a 12v or 16v run & gun: Use extra leads from charger to hook to cranking battery to provide 30 amps of charge current to your cranking battery.

Wiring on DC Charger can be shortened to improve efficiency, and a 20-amp fuse holder must be used on output (white) wire when installed.

Whatever charger your boat came with will be able to be used for running the dc chargers. When taking out 12v batteries and replacing them with 24v or 36v Lithium batteries, You will have extra charging leads that will no longer be needed to charge the trolling motor batteries. Use these leads to get the proper amount of amperage to the cranking battery to charge both the cranking and turn on the DC chargers to charge the batteries they are hooked to.

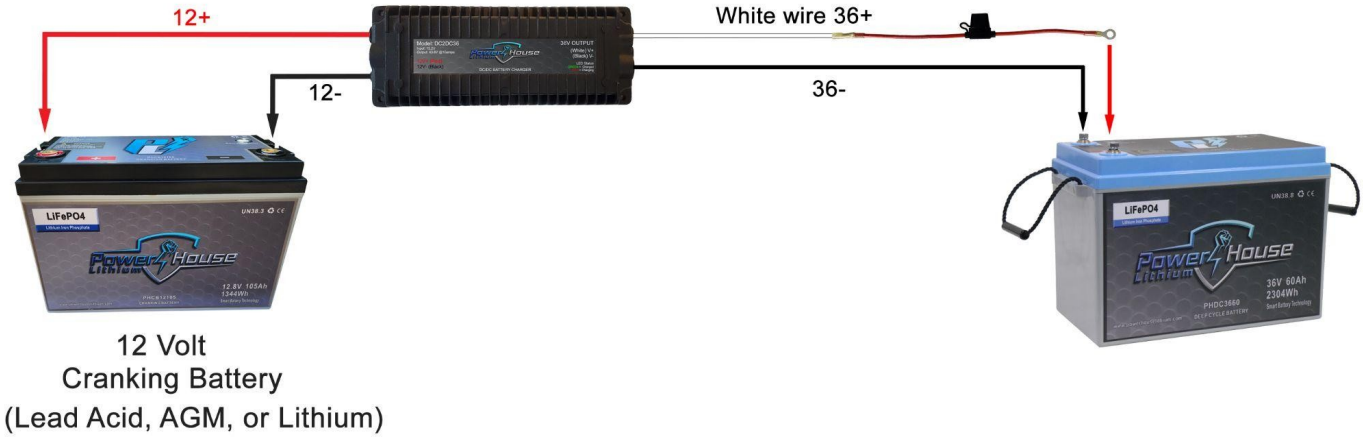
WE ALSO OFFER A 12V 35 AMP WATERPROOF CHARGER PROGRAMMED TO WORK WITH THE RUN AND GUN SYSTEM.

***Note: If you have to extend the wiring to get to both batteries, then you will have to do that from the white wire on the output side. Always try to make Red and black input wires as short as possible so units run cooler.**

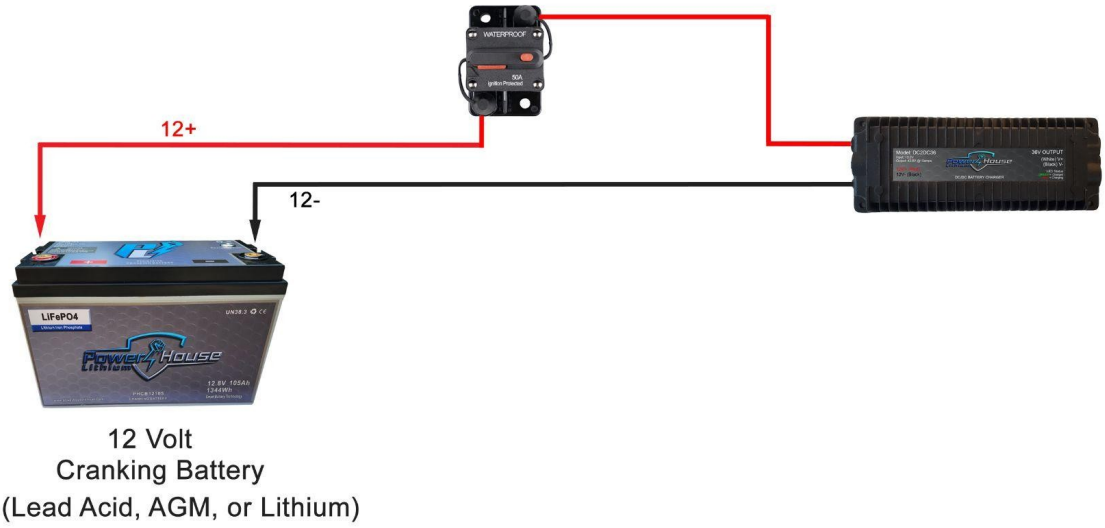
Wiring Diagrams:

(Shown is 36v Run & Gun but 12v,16v, and 24v is wired the same way)

Must use 20 amp fuse on white wire output



(Shown with 60 amp Circuit breaker on 12v input side)



Tip: Units run cooler and work more efficiently when wires are shorter so trim to fit per your application. If you have to extend wiring you have to do it from the output side only.