

# EN3DC30 Install guide - Dual charger setup.



**Warning!!**  
 Please make sure grounding (earth) cable/s are of adequate size.  
 Failure to follow these instructions will result in underrated performance of the charger and/or spiking of the DC2DC unit and possibly causing the internal input fuses to fail.  
 This is not covered under warranty and the fuses are not field serviceable.

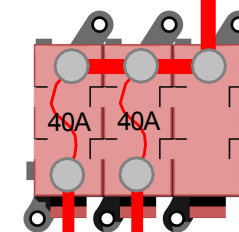
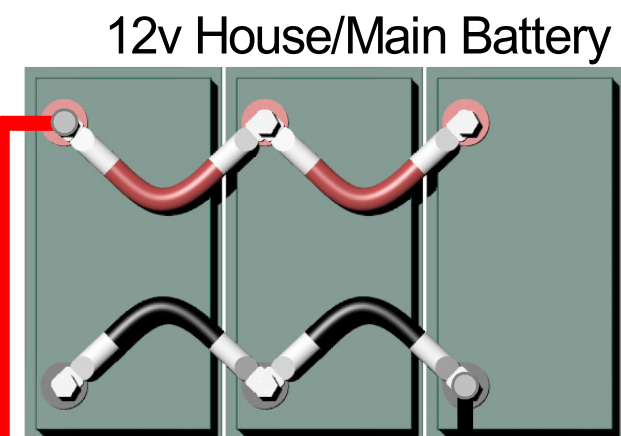
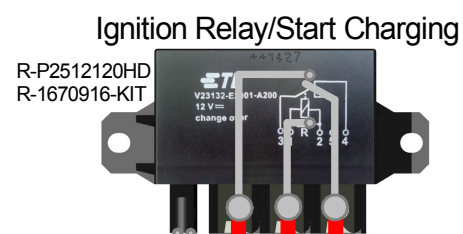


**Warning!! Alternator size**  
 Vehicles running Dual DC2DC should have a minimum alternator size of 120Amps.  
 Alternators lower then 120A run the risk of premature failure due to the high load.

Ignition sense for smart alternator vehicles and Dual DC2DC units.  
 Also required if start battery has a secondary charge source i.e. Solar, AC Charger



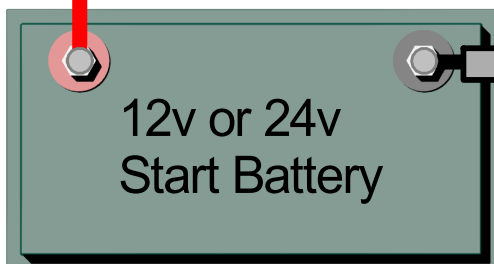
**Please NOTE:**  
 The High Amp relay on the Input is required to eliminate excessive loads on the Start battery once the engine is turn OFF. Also allows for charging of the Start battery from output 2 of the AC charger without engaging the DC2DC chargers.



Ref to Manual for output cable size (x 2 for dual setup)

Ref to Manual for input cable size (x 2 for dual setup)

To AC Charger (output 2)



**Please NOTE:**  
 Vehicles with a Smart alternator, the Negative cable must be connected to the vehicle Side of the Battery Sense Module.

Enerdrive has provided this drawing as a guide only and installers must ensure the system is installed to the local requirements for fuse protection and wire sizing. If you have any questions please call; Enerdrive on 07 3390 6900