

Solar Shop Kelly – Recharging the Batteries with her battery charger

1. On the battery charger ensure all three switches are turned off – the Variac is to be turned to 0%
2. At Kelly’s battery housing - disconnect the power lead to the batteries from the Anderson plug that goes to the car.
3. Plug in the battery charger lead to the battery pack side of the Anderson plug – DO NOT plug into the side that leads to the car.
4. Plug in 240V power lead (IEC plug).
5. Turn on the power to the battery charger – GPO Anderson switch #1 and switch #3
6. Gradually turn the large black Variac control until you reach 5 Amps on the left meter – the Volts will read about 70% - 115 to 120Volts – initially.
7. Every hour adjust the amount of amps as the battery is charged (the amps will fall away as the battery gains volts) returning the Amp Meter to read 5 Amps.
8. The charging should continue until the battery reaches 125Volts – DO NOT exceed 126Volts.

NB:

- The charging towards the end is extremely rapid.
- Do not charge above 126 Volts as the cars computer will close down the system if 126Volts is exceeded and disable all attempts to start.
- Do not run the car below 110Volts as going below this voltage requires major recharging of the batteries over a prolonged period of time and can cause damage to individual cells.
- During driving the volts will fall away fairly rapidly to approximately 116 Volts and then slowly decline unless the sun is able to recharge the batteries. If the sun is in full sun then none of the above might happen as the car can run totally off the Solar panels.

