



# Generator Operation Manual for Giant Power Off Grid Systems

Note: Max Power rating for Generator use on hybrid is 15 Amps or 3.5KW (please see explanation on following page.) This application note should be read in conjunction with the manual supplied by Hyundai

## Modifications:

Your Hyundai generator came with a remote control button which is now redundant. In its place is a generator auto start function in your control box which will start the generator if your batteries go below the pre-set level, or if power drawn from the unit exceeds the normal AC capability of that unit. The other modification is that the manual fuel pump with manual primer has been replaced by an electric fuel pump. This eliminates the need to hand prime the fuel to the carburettor.

## Set up

1. Attach a 15 amp extension lead to the adaptor box generator input plug labelled *Gen In* as labelled in the picture below. Plug the 32 Amp lead coming from the inverter to the White Connector labelled *Gen Out*



2. For Automatic start attach the 10 metre long generator control cable to the small round two pin plug on the top of the control panel of the generator. It is this cable which will control the starting and stopping of your generator when in the "Automatic" position. The other end of this lead will need to be attached to the small green coloured terminal block in the bottom centre of the IPS unit in the terminals marked NO (normally open) and C (common).



3. You will need to fill the fuel tank with fresh petrol. You may wish to also add some long life additive if you think that there will be minimal use of the generator as it will keep the fuel fresher for longer.

**It is advisable to start the generator every week and allow it to run for a while to keep the battery charged.**

**If you anticipate not using the generator for a few weeks at a time, it is advisable to ensure the "Remote Control" switch is in the OFF position.**

## Key start

To start the generator with the key, turn on the key to the ignition position. This will activate the electric fuel pump and automatically prime the carburettor with fuel. You will possibly hear the pump running, then slowing down and getting quieter as it fills the system with petrol. This is normal on initial running. When you turn the key to "Start" the starter motor should engage and the motor should start.

**If you have left the generator without running for a period, it is always wise to first start it with the key on arrival to ensure the fuel system is fully primed.**

To turn off the generator, return the key to the off position then press the button marked "OFF" to the right of the key.

## Auto start

The key is not required at all in this mode, you may leave the key out of the generator if you wish.

Switch the rocker switch marked "Remote Control" at the bottom of the front panel to the on position (I). This will cause a small yellow LED to flash indicating it is active.

When the Integrated Power System in the control box perceives that the batteries are too low, it will now turn the generator on and off as may be required.

Don't forget, if you are leaving the generator for an extended period without regularly starting it, you should turn the "Remote Control" switch to the off position.

**It is important that you periodically check the fuel level in your generator to ensure there is adequate petrol for the time it is needed to run. It is also important to periodically check the oil level in the motor and follow the maintenance procedure in the Hyundai manual provided with your generator.**

## Max Power Rating

The adapter unit is rated at a maximum current of 15Amps (3.5KW) as this is the maximum rating on a single output from a generator. If you try to draw more than 15 Amps (3.5KW) of current from your generator either for safety either the circuit breaker on your generator or on the adapter box will trip. When using your generator please ensure that the maximum demand by your hybrid system is below this rating as excessive use will cause the breakers to trip and possible power outage. This will mean restricting the number of appliances drawing power at any one time.