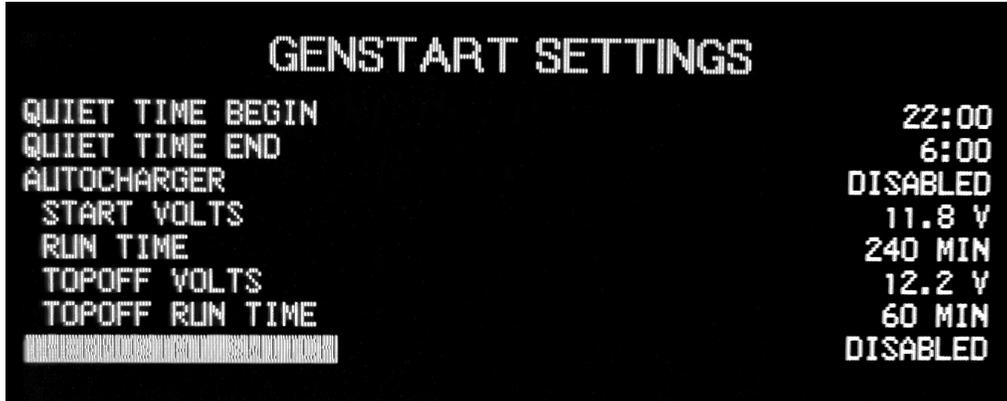


SilverLeaf Electronics Genstart Settings Guide



GENSTART SETTINGS	
QUIET TIME BEGIN	22:00
QUIET TIME END	6:00
AUTOCHARGER	DISABLED
START VOLTS	11.8 V
RUN TIME	240 MIN
TOPOFF VOLTS	12.2 V
TOPOFF RUN TIME	60 MIN
	DISABLED

There are 3 basic features associated with the SilverLeaf Automatic Generator Start system.

- 1. Auto Charger:** This feature allows the Auto Genstart system to automatically start the generator when the charge level of the House Batteries reaches a preset low voltage value.
- 2. Thermostat:** This feature allows the Auto Genstart system to automatically start the generator with the use of a thermostat to maintain temperature in hot weather.
- 3. Exerciser:** This feature allows the Auto Genstart system to automatically start the generator on a daily schedule during the course of the week.

Each Genstart feature can be enabled independently of the others, or used all at the same time.

For Example: If the user desires to just maintain battery charging, then just the Auto Charger needs enabling. The other features can be disabled from operation.

Navigating the GenStart Settings Menu is simple:

For the Total Coach panel, simply use the arrow keys (Up and Down) to highlight the desired setting that needs to be changed, then press the Right arrow to highlight the setting parameter. Then use the Up or Down arrow to change the value. Finally press the Left arrow to return to the settings menu. Bold letters indicate highlighting.

For the VMS dash mounted panels, simply turn the knob till the desired setting is highlighted, then press the knob to select it. Turn the knob to change the value. Finally press the knob to set the value and return the highlighter to the settings menu.

Quiet Time

Quiet Time is used in the event that there is a period of time during the day that generator use is not allowed or desired.

This is typical for motorcoach conventions and some rv parks. If any Auto GenStart feature tries to start the generator during the time period between Quiet Time Begin and Quiet Time End, the system will not allow the generator to start regardless of a feature being enabled and calling for the generator to run.

```
GENSTART SETTINGS
QUIET TIME BEGIN      22:00
QUIET TIME END        6:00
```

Example 1

Quiet Time is set in 24 hour format (Military Time). In Example 1, the Quiet Time is set to not allow the generator to run automatically between the hours of 2200 and 0600 (10pm-6am). During this time no automatic starting can occur from any Auto Genstart feature associated with the SilverLeaf system. The user however can MANUALLY start the generator using any SilverLeaf control panel at any time. This setting just simply inhibits the generator from starting automatically due to a feature demanding it. If you desire to allow the Auto Genstart system to start at any time, then Quiet Time Begin and Quiet Time End can both be set to 0:00.

AutoCharger

The AutoCharger feature is used to maintain house battery charging automatically while dry camping, or storage. The AutoCharger constantly monitors the voltage of the batteries, and when needed, starts the generator allowing the battery charger to charge the batteries. In most cases, the system monitors the battery information via the inverter/charger. In some (in particular after-market installations), the voltage is monitored directly via the SilverLeaf System.

In all cases either the inverter/charger or battery charger has to be enabled to charge the instant that 120V electricity is applied to the coach, either from the generator or shore power cord. Otherwise no charging to the batteries can occur.

```
AUTOCHARGER                               DISABLED
START VOLTS                               11.8 V
RUN TIME                                  240 MIN
TOPOFF VOLTS                             12.2 V
TOPOFF RUN TIME                           60 MIN
```

Example 2

Enable AutoCharger:

As shown in Example 2, the AutoCharger is disabled. Using either the Total Coach panel or VMS dash panel, highlight and select AUTOCHARGER. The cursor will then highlight DISABLED. Change the setting to ENABLED. Select again to move highlighting back to settings menu. This arms the Autocharger and allows it to operate.

Set Start Volts:

Change this setting to set the AutoCharger to start the generator when the house battery voltage is below this value for longer than several minutes. The default time is 5 minutes.

Set Run Time:

Set this value to the amount of time allowed to charge the batteries. Run Time is the MAXIMUM time the generator will run unless the batteries reach charge voltage sooner. For example, if the inverter reports that the battery charger has entered "Float" charge, the AutoCharger considers batteries at float as being charged up and will shut the generator off. In coaches that have dual inverters, the AutoCharger is looking at the data from Inverter #1 to determine state of charge.

Set TopOff Volts And TopOff Run Time:

This setting allows the AutoCharger to top the batteries off before Quiet Time begins. The setting of TopOff Run Time determines when this will happen. In Example 2, TopOff Run Time is set to 60 minutes. This means that 60 minutes prior to quiet time beginning, the AutoCharger system will look at the battery voltage. If the battery voltage is below the value set in TopOff Volts then the generator will start and charge the batteries until Quiet Time begins. This value is set at a higher value than Start Volts. In easy terms it's like topping off your fuel tank before driving across that long desert until you are able to fill up again.

Exerciser

This feature allows the starting of the generator on a weekly schedule. This is useful while either storing the motor coach, or simply just desiring the generator to start at a specific time/times during the course of a week.



Enable Exerciser:

Highlight and select EXERCISER, then enable it and select again to move the highlighter back to the settings menu.

Then continue scrolling and the highlighter will move over the days of the week. Just select the days of the week you want the generator to operate. An underline will appear under the days that the generator will start.

Highlight and select RUN TIME. This is the amount of time you want the generator to operate.

Then finally highlight and select START TIME. This is also set in 24 hour format (Military Time) like the Quiet Time setting at the beginning of this document.

The generator will start at the specified time of day on the days selected as long as the EXERCISER is enabled.

Note:

Once the settings are made the VMS dash panel does not need to be on for the Auto Genstart features to be operating.