

eVolution Order Spec Sheet (Product Configuration Form)



Directions:

- Complete this form to specify custom configurations for eVolution.
- Submit this form with your order to: sales@lgs-group.com.

PURCHASER INFORMATION

Date _____

Company Name _____

Contact Name _____

Phone Number _____

Email Address _____

Vehicle Make _____ Vehicle Model _____

Vehicle Year _____ Vehicle Engine _____

NOTES _____

INTERNAL ONLY

Config. Name	
Date Created	
Part Number	

PRIMARY BATTERY SETTINGS

Low Voltage Trip Point _____ *Range 8-15V (Default 11.8V)* *Engine auto starts when primary battery falls to this level.*

Charge Restore Point _____ *Max 15V (Default 13.5V)* *Engine will run for "extended charge time" once this voltage is reached and then shut off. (Range depends on value chosen for Low Voltage Trip Point.)*

Extended Charge Time _____ *Range 10-3600 Sec (Default 1200 Sec)* *How long the engine will continue to run after Charge Restore Point is reached.*

ENGINE IDLE TIMER

High Idle Engine Speed _____ *Range 950-2000 RPM (Default 1600 RPM)* *Speed at which engine will idle when AFIS (Advanced Fast Idle System) is engaged.*

Engine OverRev _____ *Range 2000-4500 RPM (Default 3700 RPM)* *Shuts down AFIS when this value is exceeded.*

MONITOR MODE

Monitor Mode Lockdown Time _____ *Range 10-600 Sec (Default 300 Sec)* *When in Monitor Mode, a temporary lockout occurs if service brake is applied, disabling auto start/stop; this time determines how long before the module reverts back to normal Monitor Mode with auto start/stop functions restored.*

Push Button Latency _____ *Range 2-10 Sec (Default 2 Sec)* *Monitor Mode button must be held at least this long before it takes effect.*

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ENGINE COOLANT TEMPERATURE (ECT)

Shutdown ECT	_____ Range 225°F to 489°F (Default 230°F)	Engine will shut down and module will exit Monitor Mode if ECT goes above this value. This event will also cause the Monitor Mode button to blink fast twice and slow once.
Maximum ECT	_____ Range 149°F to 230°F (Default 223°F)	Module will stop/prevent AFIS if ECT goes above this value.
Minimum ECT	_____ Range 14°F to 59°F (Default 32°F)	Module will stop/prevent AFIS if ECT falls below this value.

TOGGLE CRANK FEATURE

Enabled Disabled (Default) If enabled, OverRev output will be active during crank.

AUXILIARY BATTERY SETTINGS

Start/Stop Trigger Option Enabled Disabled (Default)
_____ x _____ (Range 10 < x < 60V)
IF USING THIS OPTION, IT IS NOT NECESSARY TO COMPLETE THE AUX BATTERY SETTINGS BELOW.
Under this option, the system does not monitor battery voltage and instead will start/stop the vehicle based on a voltage trigger (provided by a Battery Management System). The vehicle will start when it sees this value and stop when it sees a voltage less than 10V.

Low Voltage Trip Point _____ (Range 11-60V) Engine auto starts when auxiliary battery fall to this level.

Charge Restore Point _____ (Range 11-60V) When voltage level is reached, module will auto stop the engine.
Value must be greater than Low Voltage Trip Point

FUEL LEVEL

Low Fuel Level Threshold _____ Range 0%-100% (Default 25%) System will NOT enter Monitor Mode if fuel is below this value.

ENGINE RUN TIME

Engine Run Timeout _____ Range 50-120 Min (Default 60 Min) Maximum allowable time the engine will run on a single auto start event.