

Hello Idle Free technician,

This month will cover a topic related to our Series 5000 eAPU. The Series 5000 comes standard with engine start/stop technology ensuring uninterrupted driver comfort for extended time periods. Coupled with engine starting are increased power demands for hotel loads. These demands for power come from an inverter tied into the trucks start batteries. Quality inverters have an adjustable low-voltage disconnect typically set to shut down power around 12.2 VDC. On healthy batteries, 12.2 VDC is plenty of power to start an engine. With unhealthy batteries, starting the engine may not work without jump-starting them.



The conditions we have covered here also warrant the consideration of utilizing dual-purpose batteries in the truck bank. Dual-purpose batteries are designed for engine starting as well as deep cycling from inverter use. While a little more expensive than starting batteries, dual-purpose batteries are designed for this task and will provide improved performance.

Anytime you are upfitting your truck with a Series 5000 eAPU, or if you only have an inverter on your batteries, it is recommended to test them routinely to make sure you don't end up stranded. Make sure to keep healthy batteries in your truck and eAPU.

For help or questions with any eAPU issues please contact us.

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