

### System Runtime

If drivers start telling you their Idle Free eAPU is not running long enough, it may be time to check several things.

- Was the alternator recently replaced? Most battery APU systems recommend an extra 25 amps of alternator power for each additional battery. Your system has four extra batteries meaning your alternator should be at least 100 amps larger than the original. We recommend 270 amps minimum.



- How old are the batteries? AGM batteries have a service life like everything else and as they age the capacity of the battery loses capacity. If your batteries are two years old and you are experiencing short runtimes, check the batteries with a good meter.



- Make sure all battery connections are clean and tight. Corroded connections will have a significant impact on charging and battery health. Inspect, clean, and treat battery connections regularly. Apply corrosion inhibitor to all connections after cleaning.



- The battery separator is a mechanical device with electrical contacts. Over time the contacts can become pitted and wear out. When this happens, you may see a voltage drop across the device during charging. This drop will affect battery charging.



- Tech Support Phone: (920) 206-9333
- Tech Support email: [techsupport@idlefreesystems.com](mailto:techsupport@idlefreesystems.com)