HAWKER® Headlines

Winter 2025 edition

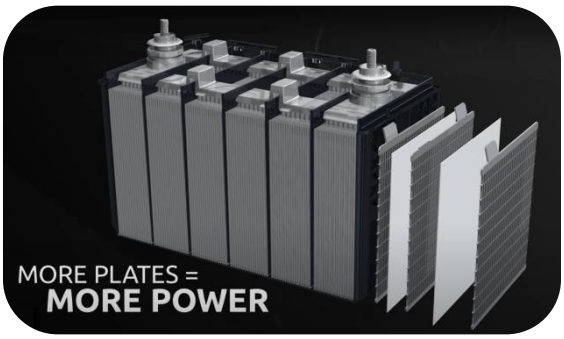
Quick Tips!

Under normal conditions, when fast or recovery **charging** a single nominal 12-volt ***Hawker® battery*** or two batteries wired together to form a nominal 24-volt series string, it's recommended that **the charger have the ability to provide at least 10 amps or more**.
See more Quick Tips at hawkerbattery.com/resources/#faqs

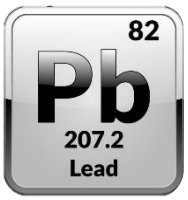
Answer to question from last issue:

So, Hawker® batteries are also TPPL? Okay, but what is that?

TPPL is an acronym for **Thin Plate Pure Lead.** As you probably already know, lead-acid batteries have both negative and positive plates in each of their cells. Typical flooded-cell SLI (Starting, Lighting, and Ignition/Instrumentation) batteries use thicker plates that are usually comprised of a *lead-calcium or lead-antimony alloy*. However, **Hawker® batteries use thinner plates** (providing up to twice as many plates than are found in a same-sized flooded-cell battery) and ***Hawker® battery plates are 99.9% pure lead***. More plates equates to more active-material surface area. As such**, pure lead plus greater surface area equals more power, deeper discharge capability, longer shelf-life, and longer expected operational life.** *Note: Some AGM batteries are made with lead-calcium vs. TPPL plates, as such they are up to 10 times more prone to venting gases (hydrogen, oxygen, and hydrogen sulfide) during normal charging, which results in lower expected operational life and lesser performance than TPPL AGM batteries.*



Pure



Did you know:

that **Reserve Capacity (RC)** is a standard battery industry rating referring to the length of time the battery can maintain a typical vehicle's electrical needs in the event of alternator failure. *Specifically, the rating refers to the number of minutes a nominal 12-volt battery can deliver a constant 25 amps at 80°F (26.7°C) while maintaining a voltage of at least 10.5 volts.*
For example, the **Hawker® ARMASAFE™ Plus 6TAGM** battery has an RC rating of **240 minutes**.

Training:

Why do batteries seem to die in the winter?
How can I prevent them from freezing?
Want answers to these and other questions?
Contact Hawker® battery for free onsite Battery Maintenance and Recovery Training!

Next Issue:
Wait, Hawker® batteries are AGM, TPPL…and VRLA? What's VRLA?

Questions?

Visit our website at *hawkerbattery.com/*
Call us at *877.485.1472*

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