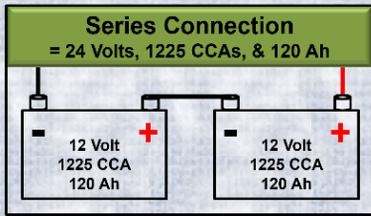




# HAWKER®

## Headlines Fall 2024 edition

### Quick Tips!

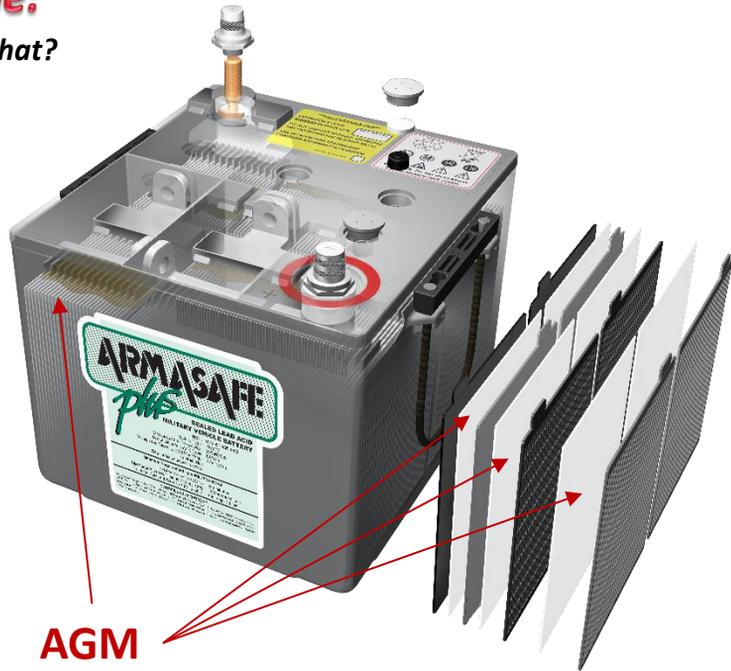


Generally, when fast (a.k.a., recovery) charging **two 12-volt Hawker®** batteries that are **wired in 24-volt series or series-parallel**, an ideal **charger should have an output voltage between 28.5 to 30.0 VDC**. The optimal constant voltage is 28.8 VDC when the battery's temperature is at 77° F. Under normal conditions (when the **battery's** temperature is at or above 68° F), *it's not recommended to use a charger whose output voltage is less than 28.3 VDC or exceeds 30.0 VDC.*

### Answer to question from last issue:

*I hear that Hawker® batteries are AGM...what is that?*

**AGM** is an acronym for **Absorbed Glass Mat**. It's an absorbent fiberglass mesh material. Within an AGM battery, this fiberglass matting is layered between the negative (-) lead plates and positive (+) lead-dioxide plates. **AGM serves two purposes:** (1) it acts as a **plate separator** between the negative and positive plates...so they don't touch and short out the battery, and (2) the matted material fully **absorbs the electrolyte** (allowing no free-flowing liquid), thereby making the battery essentially spill-proof. As a result of the tightly packed compression between the AGM material, the plates, and the cell walls of the battery...AGM batteries are the most vibration and impact resistant lead-acid batteries available today. Want to see more? **Watch the AGM video at [hawkerbattery.com/video-vault/](http://hawkerbattery.com/video-vault/)**



### Did you know:



**Pulse Hot Cranking Amps (PHCA)** is a non-standard battery industry rating referring to a **5 second burst of cranking power that a fully-charged battery can provide to start an engine.** The rating specifically refers to the amount of amps that a nominal 12-volt battery can deliver at 80° F (27°C) for 5 seconds while still maintaining a battery voltage of at least 7.2 volts. For example, the **Hawker® ARMASAFE™ Plus 6TAGM** battery has a **PHCA rating of 2250 amps!**

### Training:



**Weak or dead battery?  
Vehicle won't start?  
Need help?**

**Contact your Hawker® battery  
Field Support Representative (FSR) today!**

*Next Issue:  
So, Hawker®  
batteries are also  
TPPL? Okay, but  
what is that?*

### Questions?

Visit our website at [hawkerbattery.com/](http://hawkerbattery.com/)  
Call us at **877.485.1472**

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