

ARMASAFE™
plus

Hawker® ARMASAFE™ Plus

BATTERY, VEHICLE, STORAGE

Model: HASP-FT/6TAGM

Part Number: 9750N7025

NSN: 6140-01-485-1472

Battery Design

- Thin Plate Pure Lead (TPPL) technology
- Absorbed Glass Mat (AGM) construction
- Valve Regulated Lead Acid (VRLA)
- 12V (nominal)
- NATO 6T footprint
- Terminals – Top: SAE
- Can be installed in any orientation except inverted
- Integrated lifting handles
- US DOT and IATA certified non-spillable
- Shipped fully charged and ready to install
- High power and high energy

The Hawker® ARMASAFE™ Plus 6TAGM battery, commonly referred to as “the Hawker battery,” is a virtually maintenance-free, non-spillable, Valve Regulated Lead Acid (VRLA), Absorbed Glass Mat (AGM) battery. The ARMASAFE Plus battery is an authorized direct drop-in replacement where the NATO 6T-size 12-volt flooded-cell battery was previously installed. Compared to its flooded-cell predecessor, the ARMASAFE Plus battery provides nearly double the starting power (1225 CCA), 5 times the shelf life (30 months), and 4 times the expected operational life (48-54 months).

Weight/Dimensions (Note 1)

Weight 88 lbs (40 kg) **Length** 11.26 in (286 mm) **Width** 10.59 in (269 mm) **Height** 9.06 in (230 mm)

Performance Characteristics

| | | | |
|---|-------------------------------|--|------------------------|
| Open Circuit Voltage (OCV) <small>(Note 2)</small> | 12.9 VDC (fully charged) | Cold Cranking Amp (CCA) [0°F (-18°C)] | 1225 Amps |
| Internal Resistance | 0.0017 Ohms | Capacity | 120Ah C ₂₀ |
| Reserve Capacity | 240 minutes | Usable Reserve | 70% DoD |
| Cycle Life (40% DoD) | 900+ cycles | Deep Cycle Life (100% DoD) | 180+ cycles |
| Temp. Performance Range | -40°F (-40°C) to 176°F (80°C) | Transport Class <small>(Note 4)</small> | Non-spillable (UN2800) |
| Shelf Life <small>(Note 3)</small> | 30 months @ 77°F (25°C) | Expected Operational Life <small>(Note 5)</small> | 48-54 months |

Manufacturer/Contact Information

Manufacturer EnerSys Energy Products Inc. **CAGE Code** 0VWY95
Telephone 877-485-1472 **Web** www.hawkerbattery.com



Notes:

1. Listed dimensions are maximums (which include the terminals and lifting handles); for more detailed measurements, reference the Hawker® ARMASAFE™ Plus Battery 2D Technical Drawings.
2. This is a sealed battery. When charging a single battery, or buss bar charging, the charger output voltage should be between 14-15 volts. When charging in 24-volt series or series-parallel configurations, the charger output voltage should be between 28-30 volts. Charging at higher voltages may cause off-gassing and electrolyte loss, which will reduce battery performance and life. EnerSys® recommends using a constant voltage charger.
3. Storage above 77°F (25°C) accelerates a battery's self discharge rate, thereby reducing shelf life.
4. US DOT and IATA certified as non-spillable (non-hazardous) for shipping by air, land, or sea. Also, MIL-PRF-32143 and STANAG 4015 compliant.
5. EnerSys warrants the ARMASAFE Plus battery against defects for 36 months from date of manufacture. However, use of the battery in conjunction with batteries of a different model, type or manufacturer voids the warranty. (See Hawker ARMASAFE Plus and MILPC Limited Warranty)

Run time at various constant current discharges to various end voltage (volts per cell) at 77°F (25°C) temperature

| Minutes | 1.85 | 1.80 | 1.75 | 1.70 | 1.67 | 1.65 | 1.63 | 1.60 | 1.55 | 1.50 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2.0 | 495.0 | 563.8 | 633.5 | 702.1 | 741.9 | 767.6 | 792.5 | 828.0 | 881.0 | 924.7 |
| 5.0 | 361.6 | 397.3 | 430.1 | 458.9 | 473.7 | 482.4 | 490.2 | 499.8 | 510.3 | 513.5 |
| 10.0 | 256.9 | 275.7 | 292.0 | 305.2 | 311.4 | 314.7 | 317.4 | 320.2 | 321.5 | 324.8 |
| 15.0 | 202.8 | 215.1 | 225.4 | 233.4 | 237.0 | 238.8 | 240.2 | 241.4 | 243.9 | 246.3 |
| 30.0 | 128.4 | 133.8 | 138.2 | 141.5 | 142.8 | 143.5 | 143.9 | 144.2 | 145.6 | 147.1 |
| 45.0 | 95.6 | 98.8 | 101.4 | 103.3 | 104.1 | 104.5 | 104.8 | 104.9 | 106.0 | 107.0 |
| 60.0 | 76.7 | 78.9 | 80.7 | 82.0 | 82.6 | 82.9 | 83.1 | 83.2 | 84.0 | 84.9 |
| 120.0 | 43.8 | 44.7 | 45.4 | 46.0 | 46.3 | 46.4 | 46.6 | 46.7 | 46.8 | 47.2 |
| 180.0 | 31.1 | 31.6 | 32.1 | 32.5 | 32.6 | 32.8 | 32.9 | 33.0 | 33.1 | 33.2 |
| 240.0 | 24.3 | 24.6 | 25.0 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 |
| 300.0 | 19.9 | 20.2 | 20.5 | 20.8 | 20.9 | 21.0 | 21.0 | 21.1 | 21.3 | 21.3 |
| 600.0 | 10.8 | 11.0 | 11.0 | 11.3 | 11.3 | 11.4 | 11.4 | 11.4 | 11.5 | 11.5 |
| 1200.0 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.3 |



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