



UK6G40

Maintenance-free  
AGM TPPL  
Rechargeable VRLA  
battery for military  
applications

## THE HAWKER ARMASAFE PLUS BATTERY KEEPS YOUR ARMY ON THE MOVE

# ARMASAFE *plus*



The **ARMASAFE Plus** series utilises the proven EnerSys® Thin Plate Pure Lead valve regulated technology, to meet the diverse and demanding energy storage needs of the modern world. Today over 2 million batteries have been installed on a wide range of combat and tactical vehicles throughout the world.

EnerSys TPPL technology packs more power into the same space as a conventional battery, as well as reducing the corrosion and water losses through the purity of the materials used in construction, providing extended storage and service life as well as increasing the ability to survive and recover from abusive deep discharges.

The inherent design of the VRLA Armasafe battery minimises gas evolution and eliminates the need to top up periodically with water. The electrolyte is fully absorbed into the glass mat separators between the positive and negative plates, which mean there is no free acid within the battery case; this gives increased flexibility in mounting position.



# UK6G40

Part number: 9750N7020  
NSN:6140-99-665-3648



## SPECIFICATIONS:

### Technical Data:

|                                  |                      |
|----------------------------------|----------------------|
| Technology                       | *TPPL / *AGM / *VRLA |
| Nominal Voltage                  | 12 V                 |
| Charging Voltage                 | 14.4 V @ 20°C        |
| Float Voltage                    | 13.74 V @ 20°C       |
| Nominal Capacity $C_{20}$        | 42 Ah                |
| Reserve Capacity                 | TBA                  |
| **CCA                            | 570A                 |
| Internal Resistance              | 1.6 mΩ               |
| Temperature Performance Range    | -40°C to +80°C       |
| Cycle life at 20% of DoD         | 3500 Cycles          |
| Cycle life at 50% of DoD         | 1650 Cycles          |
| Cycle life at 80% of DoD         | 680 Cycles           |
| Weight                           | 17.5 kg              |
| Storage                          | 60 Months            |
| Storage at 25°C without recharge | 30 Months            |
| Battery poles according to       | EN60095-2            |

\*TPPL: Thin Plate Pure Lead

\*AGM: Absorbed Glass Mat

\*VRLA: Valve Regulated Lead Acid

\*\* According DEF. STAN. 61-21 Supp. 023

### Features & Benefits:

Fully compliant with UK MoD specification Defence Standard 61-21 Supplement 023.

- Installation orientation: can be mounted in any orientation except inverted
- Recombination efficiency 99%
- UN Transportation classification UN2800-Class 8 exempt
- 97% Recyclability
- Flame retardancy V0
- Shock resistant
- Maintenance-free
- Long shelf life
- Ability to survive and recover from abusive discharges
- Superior cold cranking performance
- Excellent cyclic capability
- Superb charge acceptance

### Dimensions:

