



FLEXTM SOLUTIONS



HAWKER[®] FLEX[™] THE POWER OF PRODUCTIVITY

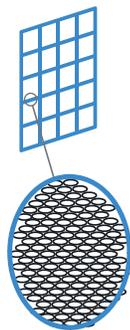
HAWKER[®] FLEX[™] batteries are the newest product in the HAWKER[®] solutions portfolio.

IDEAL APPLICATIONS

- Multi-shift
- Production areas
- Retail stores and membership warehouses
- Provide solutions in areas/applications with difficulty in:
 - Applications or facilities which prohibit flooded lead acid batteries
 - Battery watering
 - Battery cleaning
 - Battery changing
 - Obtaining a full recharge daily
 - Environmentally conscious



THE PURE TPPL INSIDE STORY



Artist rendering

Thin Plate Pure Lead (TPPL) batteries use a thinner grid design of high-purity lead. The TPPL design results in increased plate surface area within a battery – and that means more available power.

Highlights:

- Pure lead crystallography (fine grain structure) makes the grid far more resistant to corrosion.
- Pure lead grids with the same design life can be much thinner than cast lead calcium grids [Pb-Ca] or lead antimony grids [Pb-Sb].
- Very low internal resistance results in higher charge acceptance.



HAWKER® FLEX™ Thin Plate Pure Lead batteries offer many benefits.

- TPPL Technology is proven and tested for 6 years in Europe.
- Ideal for opportunity and fast charging where frequent plug-ins are available.
- Excellent performance in partial state of charge operations.
 - Only 1 full recharge required weekly.
 - Only 1 two-hour equalize charge required weekly.
 - The goal is to maximize the highest state of charge daily.
- Broad line of sizes and voltages available for your operation.*
- Cycle life similar to Flooded product with frequent plug-ins.
 - If kept in a partial state of charge, it will exceed flooded battery service life.
- No watering ever.
- Sealed battery means minimal maintenance.
- No battery watering system or corrosion.
- Shock and vibration resistant – the same as a Flooded lead acid battery.
- Minimal gassing – ideal for shops/sensitive manufacturing and public areas.
 - Less than 1% of the gassing of Flooded product.
- Vented trays to reduce battery operating temperature.
- Built-in, audible low voltage alarm.
- Battery Boss® WC installed (standard).
- Fast battery charging.
 - 40 to 80% state of charge in 1 hour (using appropriately-sized HAWKER® charger).
 - .4C (40% of rated capacity) charge rate.
- High energy throughput.
- Higher charge acceptance due to lower resistance.
 - 1.6 throughput daily of rated capacity.
- Environmentally friendly – 99% recyclable.

*Application evaluation required.



For additional information about the HAWKER® FLEX™ battery, please contact your local HAWKER® Representative or call **1-877-7HAWKER**.
