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**

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.