

LOWERS ENERGY DEMANDS



fahrenheit™
HEAT TOLERANT VRLA BATTERIES

REDUCES CO₂ FOOTPRINT

SOME LIKE IT HOT

Beat the heat and reduce cooling costs today. In telecommunication outside plant cabinets, elevated temperatures have always been one of lead-acid battery's more formidable foes, requiring costly cooling systems installation and constant energy demands. Along with the cost associated in purchasing and installing cooling units, there's the continual cost and energy loss from powering these systems. Multiply that by every site, and the expense keeps growing. East Penn is introducing the **Deka® Fahrenheit™**, a revolutionary new battery that will not only beat the heat, but also reduce the cost of these expensive cooling systems.

A breakthrough in a heat-tolerant VRLA monobloc battery design, the new **Deka Fahrenheit** survives up to 3 times longer in temperatures of 60°C — far beyond the life of a normal VRLA battery. Innovative features through an exclusive Thermal Management Technology System provide a product that significantly reduces the need for outside plant cooling systems to save considerable cost, conserve energy, and reduce the overall sites CO₂ footprint.



The Solution:

Exclusive Thermal Management Technology System

- **New plastic formula** – Heat-resistant composite structure for both the battery case and cover optimizes internal compression and enhances valve-regulation performance.
- **Micro Catalyst** – Strategic feature lowers float current, mitigates thermal buildup, and prevents cell dryout.
- **TempX Additive** – Added to the negative plate to decrease high temperature float current by up to 75%. This lowers grid corrosion and water loss while increasing high temperature life.
- **Corrosion Inhibitor Alloy** – Optimized positive alloy blend inhibits corrosion even under the highest temperature extremes.
- **Exclusive IPF Technology** – Assures full formation and inspection of every battery plate. Optimizes power capacity and ensures consistent cell-to-cell voltages critical to long-life reliability.
- **Completely Recyclable** – Fully recyclable lead-acid technology to reclaim lead, acid, and plastics.

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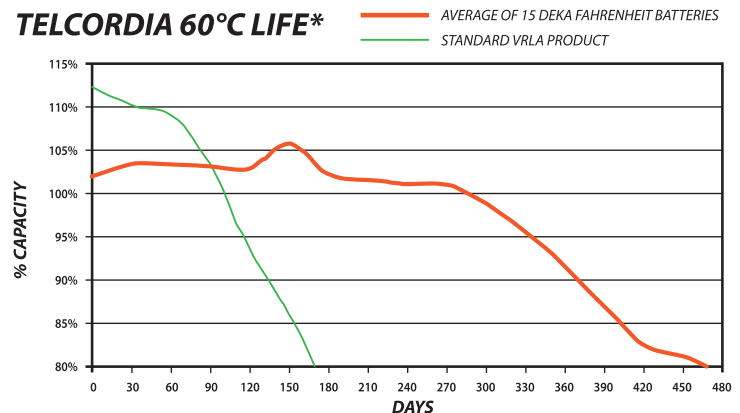
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The Results:



Deka Fahrenheit has up to 3 times the product life compared to standard VRLA at 60°C.

*All product tested at East Penn laboratories.