

**MORE POWER – LESS SPACE™**

**Deka**  
**unigy**®



**Made in U.S.A.**

## **Mission Critical Solutions**

**Superior quality VRLA battery technology  
for critical UPS power systems.**

QUALITY SYSTEM  
CERTIFIED  
**ISO 9001**  
**ISO/TS 16949**  
ENVIRONMENTAL  
SYSTEM CERTIFIED  
**ISO 14001**

# HIGH RATE SERIES



## TOP TERMINAL / 12V

Deka Unigy High Rate top terminal batteries are designed specifically for instantaneous power to protect vital information. They are available in a range of 119 – 520 w.p.c. @ 15 minutes to 1.67 v.p.c.

### FEATURES AND BENEFITS

Plates Formed Using Exclusive IPF® Technology	Optimizes power capacity, cell consistency, and long-term reliability
Valve-Regulated	Eliminates periodic watering, corrosive acid fumes, and spills
Positive Plate	Pure lead, tin alloy
Post Seal	Epoxy sealed to prevent leaks and corrosion damage
Case and Cover	Molded high impact flame retardant polypropylene, UL 94 V-0, 28% L.O.I.
Safety Valve and Flame Arrestor	100% tested valve, low positive pressure, self sealing
Rated Non-Spillable by ICAO, IMDG, IATA, and DOT	Transports easily and safely by air, no special containers needed



## FRONT TERMINAL / 12V

Installation and monitoring are streamlined and safety is significantly improved by our family of Deka Unigy High Rate front terminal batteries. This eliminates the need to reach over battery terminals and connections. Encompassing all your cabinet solution needs, these batteries are available in a range of 370 – 750 w.p.c. @ 15 minutes to 1.67 v.p.c.

### FEATURES AND BENEFITS

Plates Formed Using Exclusive IPF® Technology	Optimizes power capacity, cell consistency, and long-term reliability
Valve-Regulated	Eliminates periodic watering, corrosive acid fumes, and spills
Front Access Terminals	Improved installation, monitoring and safety
Positive Plate	Pure lead, tin alloy
Post Seal	Epoxy sealed to prevent leaks and corrosion damage
Case and Cover	Molded high impact flame retardant polypropylene, UL 94 V-0, 28% L.O.I.
Safety Valve and Flame Arrestor	100% tested valve, low positive pressure, self sealing
Rated Non-Spillable by ICAO, IMDG, IATA, and DOT	Transports easily and safely by air, no special containers needed

# T4<sup>®</sup> MODULES

## T4<sup>®</sup> MODULES / 2V

The Deka Unigy T4 is designed specifically to meet the needs of demanding UPS applications.

It is rated at 4100 w.p.c. @ 15 min 1.67 v.p.c. and features a front access design for easy installation and maintenance.

Features such as more top lead and a larger post surface area, lowers internal resistance during discharge and allows for a quicker transfer of electrical current demanded by UPS systems.

The space saving module design of the Deka Unigy T4 significantly minimizes installation requirements.

In addition, floor space is reduced by as much as 50% providing more power in the same footprint than any comparable flooded product.



## FEATURES AND BENEFITS

Plates Formed Using Exclusive IPF <sup>®</sup> Technology	Optimizes power capacity, cell consistency, and long-term reliability
Valve-Regulated	Eliminates periodic watering, corrosive acid fumes, and spills
MICROCAT <sup>®</sup> Catalyst	Lowers float current, decreases internal temps and the risk of dryout
Positive Plate	Pure lead, tin alloy
Post Seal	Epoxy sealed to prevent leaks and corrosion damage
Case and Cover	Molded high impact flame retardant polypropylene, UL 94 V-O, 28% L.O.I.
Safety Valve and Flame Arrestor	100% tested valve, high positive pressure, self sealing
Rated Non-Spillable by ICAO, IMDG, IATA, and DOT	Transports easily and safely by air, no special containers needed

# SPACESAVER™ SYSTEMS

## UNIGY® II MODULES / 2V

The Deka Unigy II line is available as a 2-volt cell system design. It includes a wide range of capacities and sizes to fit the requirements of UPS applications with ratings from 234 – 3434 watts @ 15 min 1.67 v.p.c. The cell terminals are solid copper with lead plating and are designed for maximum conductivity. Advanced features provide easy and safe installation such as “two-way” post and easy on/off front shields.



The Deka Unigy II STANDARD DESIGN allows modules to be stacked horizontally and connected by only six bolts, (four in front – two in back), for quick and safe battery installation.

The Deka Unigy II INTERLOCK™ SYSTEM utilizes interlocking modules to maximize convenience with front access bolting. This system delivers more power in less space while maintaining cooling requirements. Equipped with a standard one-piece INTERLOCK base, the system meets Zone 4 seismic specifications and is certified up to 8 modules high.



### FEATURES AND BENEFITS

Plates Formed Using Exclusive IPF® Technology	Optimizes power capacity, cell consistency, and long-term reliability
Valve-Regulated	Eliminates periodic watering, corrosive acid fumes, and spills
MICROCAT® Catalyst	Lowers float current, decreases internal temps and the risk of dryout
Positive Plate	Pure lead, tin alloy
Post Seal	Epoxy sealed to prevent leaks and corrosion damage
Case and Cover	Molded high impact flame retardant polypropylene, UL 94 V-O, 28% L.O.I.
Safety Valve and Flame Arrestor	100% tested valve, high positive pressure, self sealing
Rated Non-Spillable by ICAO, IMDG, IATA, and DOT	Transports easily and safely by air, no special containers needed



**Deka Unigy batteries are engineered and tested to deliver backup power specifically for critical UPS applications with minimal maintenance.**

## ENVIRONMENTAL PROTECTION PROGRAM

East Penn is committed to implementing the highest environmental standards and has labeled this sixty-five year tradition as it's "Environmental Protection Program." Through state-of-the-art recycling facilities and a company wide dedication to environmental health and safety, the company has made safe recycling and environmental stewardship an everyday practice.

Its lead smelter and refinery is a model for the industry, recycling virtually 100% of every used lead-acid battery component brought to the facility. East Penn built the battery industry's first acid reclamation plant, avoiding potentially hazardous acid disposal.

The company also treats and reuses wastewater from its manufacturing plants in our modern Wastewater



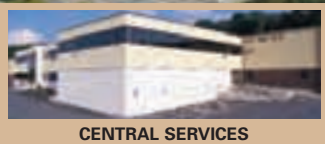
Distillation and Treatment Plant reducing the use of precious ground-water by over 100,000 gallons per day. Companywide sustainability initiatives are spread throughout its facilities such as collections to recycle paper, cardboard, plastic, used aluminum cans, and glass bottles.

East Penn was one of the first in the nation to install a scrubber unit, which eliminates sulfur dioxide emissions. The company continually monitors the ambient emissions around its plant site, which continues to decline even with a steady increase in production.

The company's modern facilities as well as its long-standing "green" culture has made East Penn the most environmentally conscious proactive battery manufacturer and recycler in the world.



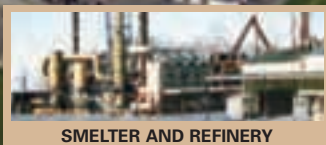
*Wastewater Treatment Plant*



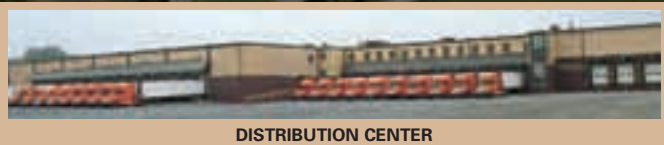
CENTRAL SERVICES



AUTOMOTIVE BATTERY PLANT A-3



SMELTER AND REFINERY



DISTRIBUTION CENTER



SPECIALTY BATTERY PLANT S-1



KELLER TECHNICAL CENTER



CABLE AND WIRE PLANT



INDUSTRIAL BATTERY PLANT



INJECTION MOLDING / FLEET MAINTENANCE



CORYDON, IA BATTERY PLANT A-5

## World's Largest and Most Modern Single-Site Battery Manufacturing Facility

Since 1946, East Penn has been producing high quality batteries and battery accessories for the automotive, commercial, marine, industrial, stationary, and specialty markets.

Facilities at its 520-acre single-site manufacturing complex in Lyon Station, PA include four automotive battery plants, an industrial battery plant, a specialty battery plant, a state-of-the-art oxide facility, an innovative recycling infrastructure, and dozens of vertically integrated capabilities and other support facilities. An additional manufacturing facility in Corydon, IA helps accommodate widespread growth. East Penn owns and operates a wire, cable, and battery accessory plant and a multiple facility distribution center just miles away from its Lyon Station complex.

New high-tech facilities and computer monitoring and control systems have made the company an industry leader in advanced battery manufacturing.

East Penn's quality manufacturing is recognized world-wide and has met the global requirements of ISO 9001 and ISO/TS 16949 certification standards. East Penn is also a leader in innovative recycling and has met global environmental requirements of ISO 14001 certification standards.

Staffed with a long-term management team, East Penn is an independent company committed to the future and dedicated to producing high-class products and service to assure complete satisfaction, above and beyond the industry standard, to our partners and customers worldwide.

**"POWERED FOR PERFORMANCE"®**

**EAST PENN manufacturing co., inc.**

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