

# EnerSys™

*Power/Full Solutions™*

## RESERVEPOWER

## Global Energy Solutions



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 **BPS™**

Quality DC Power Products & Services

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#### PowerSafe SBS

A superior range of valve regulated batteries, with an impressive extended service life, high energy density and shelf life. Manufactured in a range of compact configurations using pure lead technology, the SBS range offers design flexibility where space is at a premium.

A dedicated battery room is not required, as SBS can operate in cabinets at the point of use. Advanced plate technology allows SBS batteries to function in the harshest of environments.

#### Features and Benefits

- Capacity: 7.0Ah - 360Ah
- Design Life: 15 years @ 20°C (68°F)
- High energy density
- Two year shelf life
- Compact Design
- UL94-V0 Flame retardant case and cover

#### Applications:

- Telecommunications - Outside Plant
- Telecommunications - Wireless
- Cable TV
- Electric Utility/Switchgear



#### PowerSafe VX

Designed specifically for the demands of the evolving telecommunications network, the revolutionary VX series has taken sealed lead acid batteries into a new era. Longevity and the ability to operate in extreme environments are the outstanding features of this range.

#### Features and Benefits

- Capacity: 100Ah
- Design Life: 20 years @ 25°C (77°F)  
10 Years @ 40°C (104°F)
- Very robust for extreme conditions and high temperature environments
- Front terminal connection for ease of installation
- UL94-V0 Flame retardant case and cover

#### Applications:

- Telecommunications - Outside Plant
- Telecommunications - Wireless
- Electric Utility/Switchgear
- Emergency Lighting
- Railroad Signal



#### PowerSafe V

PowerSafe V is the acknowledged world leader in sealed lead acid technology for critical applications. Offering long life with high reliability, PowerSafe V is suitable for a wide variety of applications. Delivering superior performance, while occupying less space than conventional standby batteries, the V series is recognized worldwide as the premium battery for telecom.

#### Features and Benefits

- Capacity: 22Ah - 1769Ah
- Design Life: 12+ years @ 20°C (68°F)
- World proven
- Superior reliability
- Long service life
- UL94-V0 Flame retardant case and cover

#### Applications:

- Telecommunications - Outside Plant
- Telecommunications - Wireless
- Telecommunications - Central Office
- Electric Utility/Switchgear
- Railroad Signal



#### PowerSafe V Front Terminal

PowerSafe V Front Terminal is the acknowledged world leader in valve regulated lead acid technology for critical applications. Offering long life with high reliability and delivering superior performance while occupying less space than conventional standby batteries, the PowerSafe V Front Terminal series is recognized worldwide as the premium battery for the telecommunications industry.

The PowerSafe V Front Terminal monobloc's compact design and standard footprint, suitable for 19", 23" and ETSI racking, gives users the option of increased energy density. Total front access facilitates easy maintenance and installation.

#### Features and Benefits

- Capacity: 50Ah - 155Ah
- Design Life: 15 years @ 20°C (68°F)
- World proven
- Superior reliability
- Front terminal connection for ease of installation
- Long service life
- UL94-V0 Flame retardant case and cover

#### Applications:

- Telecommunications - Outside Plant
- Telecommunications - Wireless
- Telecommunications - Central Office
- Electric Utility/Switchgear
- Railroad Signal



### PowerSafe DDm

The PowerSafe DDm range offers an ideal solution for large capacity valve regulated lead-acid battery requirements. PowerSafe DDm's steel can design concept, with its integral racking system provides a cost effective battery system with a compact, quick and simple installation process. With thicker positive plates for extended life, high-integrity unique post seal design, large copper post design for superior high-rate performance, and steel-encased cells providing uniform compression, the DDm is a superior product in performance and service life.

### Features and Benefits

- Capacity: 200Ah - 2000Ah
- Design Life: 20 years @ 25°C (77°F)
- Protective steel can design providing uniform cell compression
- Superior quality frame design allows maximum heat dissipation
- High integrity welded/epoxy dual post seal design
- Easy to install, low maintenance VRLA module system

### Applications:

- Telecommunications - Central Office
- Telecommunications - Outside Plant
- Telecommunications - Wireless
- Electric Utility/Switchgear



### PowerSafe OPzV

Combining tubular and gel electrolyte technology in a VRLA battery, the PowerSafe OPzV series are suitable for long and repeated discharges over prolonged periods, where the need for topping-up is eliminated. The cells can be mounted horizontally or vertically, depending on requirements.

### Features and Benefits

- Capacity: 215Ah - 3170Ah
- Design Life: 15 years @ 20°C (68°F)
- No water addition required
- Long service life
- 1200 cycles to 80% DOD

### Applications:

- Telecommunications - Central Office
- Electric Utility/Switchgear
- Emergency Lighting



### PowerSafe C

A prime choice for combined short duration and long duration applications, particularly the requirements of the utilities market. Because of a unique combination of extra thick positive grids, a square plate format and multi-cell construction, superior performance is guaranteed. Maintenance and inspection is particularly easy due to the individual voltage posts and transparent container.

### Features and Benefits

- Capacity: 50Ah - 200Ah
- Design Life: 20 years @ 25°C (77°F)
- Flat plate construction in calcium or antimony alloy grids
- Space efficient

### Applications:

- Electric Utility/Switchgear
- Emergency Lighting
- Railroad Signal



### PowerSafe E

The PowerSafe E incorporates a sophisticated combination of plate surface area, plate thickness and volume of electrolyte which optimizes performance for discharges from one minute to eight hours. This enables it to cope well with more demanding load requirements, providing exceptionally high initial and ending current, separated by a long period of more moderate constant current demand.

### Features and Benefits

- Capacity: 200Ah - 890Ah
- Design Life: 20 years @ 25°C (77°F)
- Flat plate construction in calcium or antimony alloy grids

### Applications:

- Electric Utility/Switchgear
- Emergency Lighting
- Railroad Signal



### PowerSafe F

Providing superior performance for long duration discharges, the PowerSafe F range is the ideal choice for telecommunication central office and switchgear back-up power. The FTC-21P (1680 Ah) cell conforms to the Bell System list 508 specifications.

### Features and Benefits

- Capacity: 840Ah - 1810Ah
- Design Life: 20 years @ 25°C (77°F)
- Bell System 508 Standard

### Applications:

- Telecommunications - Central Office
- Electric Utility/Switchgear



### PowerSafe G

Relying on tried and tested flooded cell technology, the PowerSafe G has evolved as the standard battery for the telecommunications industry. The clear flame retardant PVC jar casing allows ease of maintenance and inspection. The high capacity reduces footprints for large central office applications.

### Features and Benefits

- Capacity: 930Ah - 3900Ah
- Design Life: 20 years @ 25°C (77°F)
- Small footprint for large central offices
- Flame retardant clear container
- Flat plate construction in calcium or antimony alloy grids

### Applications:

- Telecommunications - Central Office
- Electric Utility/Switchgear



### PowerSafe OPzS

OPzS vented tubular cells are suitable for all standby applications which require a safe and reliable long-life battery. EnerSys' OPzS range far exceed the internationally recognized German DIN standards and are distinguished by their high tolerance to cycling and long float charge life.

### Features and Benefits

- Capacity: 216Ah - 3360Ah
- Design Life: 15 years @ 20°C (68°F)
- International standard
- Long service life

### Applications:

- Telecommunications - Central Office
- Electric Utility/Switchgear
- Emergency Lighting



#### DataSafe NPX

Offering superior value, especially in UPS, the DataSafe NPX series is designed for high rate discharge applications. These batteries are used primarily where high power is required for a short duration.

#### Features and Benefits

- Capacity: 23 - 150 watts/cell
- Design Life: 3-5 years @ 25°C (77°F)
- UL recognized
- Approved for shipping as non-hazardous, non spillable
- Operates in any position

#### Applications:

- UPS
- General Electronics



#### DataSafe HR

DataSafe HR is the ideal source of power to protect vital systems. The HR range from EnerSys offers an unsurpassed reputation for excellence and improvements on industry standards for performance. Thick ribbed ABS plastic containers provide high mechanical strength and superior safety features.

#### Features and Benefits

- Capacity: 200 - 500 watts/cell in 12 volt configuration  
780 watts/cell in 6 volt configuration
- Design Life: 10 years @ 25°C (77°F)
- UL recognized
- Approved for shipping as non-hazardous, non spillable
- V0 flame retardant ABS material

#### Applications:

- UPS



#### DataSafe C

An economical multi-cell flat plate unit, optimized for high performance and providing excellent short duration discharge rates. The DataSafe C product line is ideal for smaller UPS systems that demand the high reliability and long life of a flooded cell.

#### Features and Benefits

- Capacity: 228 - 797 watts/cell
- Design life: 20 years @ 25°C (77°F)
- Calcium alloy grids for lowest water loss, resulting in low maintenance costs
- Exceptional high rate performance

#### Applications:

- UPS



#### DataSafe D

The DataSafe D calcium flat plate battery offers an economical solution when high rate performance and long cycle life is required. The multi-cell construction requires fewer units resulting in lower installation costs. Constructed with EnerSys' unique long life slide lock post seal design, high conductivity terminal posts and optional wrapped positive plates, the DataSafe D provides superior cycling performance and durability.

#### Features and Benefits

- Capacity: 594 - 5248 watts/cell
- Design life: 20 years @ 25°C (77°F)
- Rated at 100% capacity at initial discharge
- Long life Slide Lock post seal design
- Flame retardant cover and container available

#### Applications:

- UPS



#### DataSafe E

The DataSafe E incorporates a sophisticated combination of plate surface area, plate thickness and volume of electrolyte which optimizes performance for high rate discharges. The DataSafe E offers single cell design with high power delivery capability.

#### Features and Benefits

- Capacity: 422 - 3322 watts/cell
- Design life: 20 years @ 25°C (77°F)
- Single cell UPS design

#### Applications:

- UPS



#### DataSafe HX

DataSafe HX is the ideal source of power to protect vital systems. The HX range from EnerSys offers an unsurpassed reputation for excellence and improvements on industry standards for performance. Thick ribbed polypropylene plastic containers provide high mechanical strength and superior safety features.

#### Features and Benefits

- Capacity: 25 - 800 watts/cells in 12 volt configuration
- Design life: 10 years @ 25°C (77°F)
- Valve Regulated Lead Acid
- UL Pending
- Approval pending for shipping as non-hazardous, non spillable
- V0 flame retardant polypropylene material or non-flame retardant polypropylene available

#### Applications:

- Uninterruptible Power Supply