



product solutions



Power Availability

Power problems are disruptive and can be found in every environment. The nine most common types include: power failure, power sag, power surge, brownout, line noise, overvoltage, frequency variation, switching transients and harmonic distortion. Any one of these power problems can be devastating to your business. A single power failure, for example, can cause customers, time and millions of dollars to be lost in a matter of seconds. For this reason, it is worth just a few minutes to find out how SEPS can improve your business operation.

SEPS provides high quality power solutions for business continuity and data protection, helping businesses achieve high availability goals. Working exclusively with power and data center protection, SEPS is at the forefront of industry advances. Quality products and solutions from leading manufacturers such as APC and Powerware help SEPS match the right solution to your needs.

For single-phase or three-phase uninterruptible power systems, generators, specialty batteries, data center and/or power products, SEPS assures reliable cost-effective results. In the end, a solution from SEPS means peace of mind for you. Companies today are turning to power protection and to SEPS as they realize both are vital to their very existence.


POWERWARE[®]


American Power Conversion

 **CD TECHNOLOGIES**[®]  **DYNASTY**

 **Cummins**
Power Generation

SINGLE-PHASE UPS

SEPS offers a complete line of quality single-phase uninterruptible power systems (UPS), ranging from 300VA to 18kVA.

- ▶ **Rack-mount UPS systems, as small as 1U in height, install easily into standard racks and enclosures. Some systems can also be mounted on a wall or used as a stand-alone (tower). Sizes for rack-mount systems range from 500VA to 7kVA.**
- ▶ **Modular UPS systems are scalable systems offering users flexibility, manageability and serviceability. These systems allow for expansion of your system as needed and are available in the 3kVA to 18kVA size range.**
- ▶ **Tower UPS systems are typically placed on the floor, on a desk or in a closet and offer more options for extended runtime and unique power applications. Sizes range from 300VA to 18kVA.**

Different types of technologies – on-line, line-interactive and standby – are used in UPS systems and features vary with each model. A SEPS power professional can help you determine the ideal solution for your application.



THREE-PHASE UPS

Advanced enterprise computing and storage technologies require advanced power protection solutions. SEPS offers state-of-the-art three-phase legacy and modular solutions to fulfill this requirement.

- ▶ **Legacy solutions are traditional, reliable three-phase solutions up to 2.2MW. Their advanced communication design provides intelligent load distribution, resulting in saved power during periods of lower power demand. Systems can be paralleled for expansions and large load requirements.**
- ▶ **Modular, on-line three-phase solutions offer fault tolerance, redundancy and expandability up to 5MW. Unique slide-in modules with power sharing technology make replacements and upgrades easy. Paralleling capabilities allow these systems to be used together to handle very large load requirements.**

These state-of-the-art systems provide continuous power and high efficiency for lower overall operating costs. Three-phase UPS systems are ideal solutions for data center, facility and other high-availability applications.

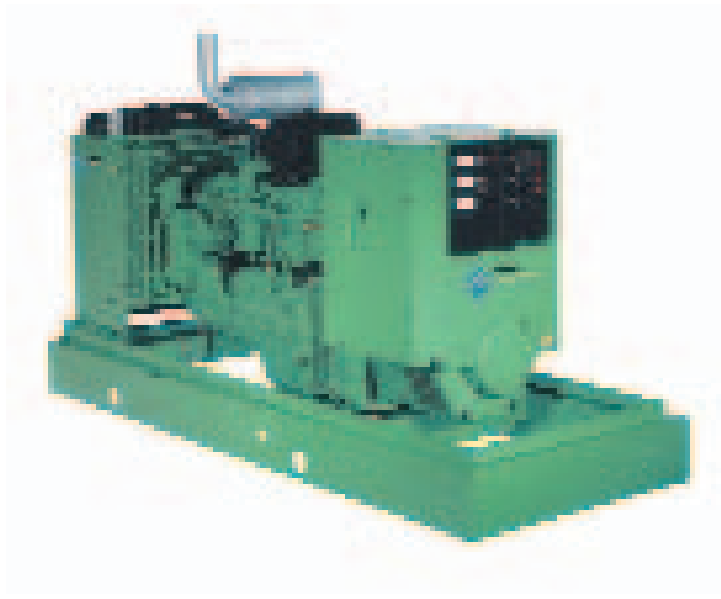


GENERATORS

On-site power generation systems provide backup and prime power for extended periods of time. Generator sets include a prime mover fueled by diesel, natural gas or propane and an alternator that provides power at 50Hz or 60Hz depending on the application.

- ▶ **Proven reliability and low life-cycle costs**
- ▶ **User-friendly operation and maintenance features**
- ▶ **Rugged construction for durability and lasting performance**
- ▶ **Weather-protective housings, coolant heaters and electronic governor options**

Standby and emergency generators can be used as your only source of backup power or in conjunction with a UPS to provide continuous, quality power.

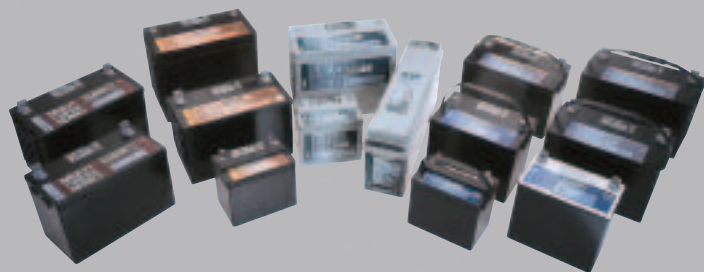


SPECIALTY BATTERIES

Specialty batteries are ideal for any new or replacement situation that demands quality, reliability, optimal power and long life expectancy. VRLA batteries are the best choice for uninterruptible power systems (UPS), telecommunications, broadband, CATV and other applications that depend on superior DC performance.

- ▶ **Gelled and Absorbent Glass Mat (AGM) technologies**
- ▶ **Multi-cell design for easy installation and low maintenance**
- ▶ **Thermally welded case-to-cover bond to eliminate leakage**
- ▶ **Standard and flame-retardant models ranging from 4 to 200 amp hours**
- ▶ **Single batteries or pre-configured packs for UPS products**

VRLA batteries deliver performance and maximum life expectancy at an exceptional value. As a result, SEPS' customers benefit from lower lifetime costs.



DATA CENTER PRODUCTS

State-of-the-art equipment for the IT environment closes the gap between advancements in IT technology and its supporting power and cooling requirements. Modular, highly manageable, pre-engineered components create an IT architecture that optimizes capital expenditures and lowers overall operating costs.

- ▶ **Power Components:** Pay as you grow with single- and three-phase UPS and power distribution units. As you accelerate deployment of your data center, components can be added to accommodate ever changing needs.
- ▶ **Rack Components:** These essential products support the entire data environment, including servers, networking, communication and storage devices. Increased-depth enclosures and rear cabling channels allow safe, efficient power and data cable routing.
- ▶ **Air Components:** Modern cooling solutions are designed to optimize airflow and cooling in the data environment – providing lower maintenance costs and fewer equipment failures.



POWER PRODUCTS

SEPS offers a full array of other power products designed to protect your business enterprise.

- ▶ **Line Conditioners:** Single- and three-phase line conditioners protect equipment from all power problems except blackouts. Available in plug-n-play, hardwired, low voltage and high voltage configurations, line conditioners from SEPS provide excellent voltage regulation and bi-directional harmonics filtering. Conditioners are available in sizes ranging from 100VA to 75kVA.
- ▶ **TVSS:** Transient Voltage Surge Suppression devices protect computers, data centers and facilities against damaging spikes and surges – even lightning. They can be installed locally on a computer or printer or in the main electrical panel at the service entrance. When used in conjunction with other power protection equipment, businesses enjoy a complete power protection solution.
- ▶ **DC Systems:** Fully integrated power systems, power racks, modular power shelves, distribution cabinets, system monitoring and battery disconnects provide complete power management in telecom, datacom and network applications. Rectifiers are true hot-plug and can be used as either stand-alone, N+1 redundant or integrated into complete standby power plants.



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