

■ AC Power
For *Business-Critical Continuity™*

Liebert PowerSure Family Of Products

Real Power Protection Everywhere You Really Need It



 **Liebert**®


EMERSON™
Network Power

The New Size of Desktop and Network Power Protection

No matter the size of your business, computers are no longer a luxury — they are essential to survival. This means your critical information systems are vulnerable to a host of power-related problems. There is one source, however, that can bring you a complete range of one-on-one power protection solutions for computing and telecommunication needs. Liebert offers the industry's most comprehensive selection of power products to safeguard your business operations.

Why Do You Need Protection?

According to industry studies, computer users have to deal with the consequences of power disturbances — such as surges, sags and outages — at a rate of nearly one per day in many parts of the country. To add to this problem, electric utility industry forecasts show a slow but steady decline in power quality. While most modern computing and telecommunications systems are tolerant of some power disturbances, your risk rises daily.

It doesn't even take a complete power outage to affect sensitive computing equipment. You may already be dealing with the hidden problems created by subtle power disturbances:

- Unexplained system and drive crashes.
- Errors and shutdowns of data transmission, or scrambled, unreadable data.
- Numerous, unexplained server shutdowns and re-boots.
- Component failure, often well ahead of projected life span.

What Exactly Causes These Problems?

There are many types of power problems that can potentially damage a stand-alone PC, modem, router or a network configuration involving any of these devices. You need to understand the scope and source of power problems so you can be sure to choose a solution that protects against the wide variety of power disruptions that commonly occur, including:

- Sags
- Surges
- Spikes
- Noise
- Frequency Variations
- Waveform Distortion
- Over And Under Voltage Conditions
- Brownouts
- Blackouts

The Liebert Solution

Today, it is more important than ever for your computers and network components to have power protection that provides a steady stream of clean power, free from damaging irregularities. The Liebert PowerSure® family of UPS systems utilizes the most advanced technology to protect against a wide range of adverse power conditions.



There Really Is A Big Difference In Small UPS Performance

Liebert has engineered the reliability of our large-scale power protection equipment into the Liebert PowerSure line of small UPS systems. And while they're trim enough to fit on most desktops, they still offer you Liebert UPS performance with more than enough time to ride through most outages or safely shut down the system in the event of a longer loss of power.

Perfect Protection For Desktop And Small Network Applications

The Liebert PowerSure line of products features compact, full-featured UPS systems including the Liebert PST, Liebert PSP, Liebert PSA and Liebert PSI models, available in 350 VA-3000 VA capacities. We also offer the Liebert PowerSure Surge II line of high quality surge suppressors. Liebert desktop power solutions are designed for applications where one or a few pieces of equipment require surge suppression or a UPS system to provide basic protection with battery back-up.

Real Protection Right Where You Need It

The Liebert PowerSure family of surge suppression, off-line UPS and line-interactive UPS gives you a real choice in protection for desktop computers, modems and other individual electronic systems. These units are designed to protect against a wide variety of common power problems including sags, surges, noise, spikes and others, as well as outages. They offer the ability to connect several pieces of equipment for protection against power problems and outages. These systems are ideal for individual home or office PCs and peripherals.

Protection Across The Network

In many cases, a group of key network servers or other critical components may be protected by a high capacity UPS. However, this does not guarantee that various nodes out along the network, such as workstations routers and other equipment, are also protected. In many cases, system productivity can be brought to a grinding halt – even if the core network components are protected – simply because users cannot access the system if their workstations are out. Liebert PowerSure UPS products are designed to provide proper power to these vital network nodes.

Liebert PowerSure® Products offer one-on-one power protection solutions for:

- Professional Desktop PCs
- Servers
- Point-of-Sale Terminals
- Test Equipment
- Home And Small Office PCs
- Network Workstations
- Network Routers, Bridges, and Hubs
- Other Sensitive Electronics



Right Size. Right Protection. Right Value.

All small UPS systems and surge protection devices are not the same. Liebert PowerSure products offer some distinct advantages over popular competitive units. From automatic battery testing to circuitry that handles over and under voltage conditions without transferring to battery, Liebert PowerSure products are designed with reliability features you just won't find on other units.

- **Surge** — The Liebert PowerSure Surge II family of surge suppression products protects against power surges, spikes and other problems on incoming utility lines that can damage or affect the performance of electronic devices.

The Liebert PowerSure UPS line covers a full range of sizes, features and battery capacities. Depending on your specific needs, there is a Liebert PowerSure UPS that is just right for your desktop or network component protection application:

- **Off-Line** — Provides utility power to the protected load under normal conditions with a 4-6 ms break in power when transferring to battery back-up.
- **Line Interactive** — Provides utility power with conditioning to the protected load under normal conditions with a 4-6 ms break in power when transferring to battery back-up. Prolongs UPS battery life by providing automatic voltage regulation (AVR) and compensating for incoming power fluctuations.

Liebert PowerSure Product Attributes

	Liebert PowerSure Surge II	Liebert PowerSure PST	Liebert PowerSure PSP	Liebert PowerSure PSA	Liebert PowerSure PSI
Power Capacities	600j, 900j	350, 500VA	350, 500, 650 VA	350, 500, 650, 1000 VA	1000, 1440, 1920, 2200, 3000VA
Technology	Surge Protection	Off-Line UPS	Off-Line UPS	Line-Interactive UPS	Line-Interactive UPS
Minimum Battery Backup At Full Load	NA	Three Minutes	Four Minutes	Five Minutes	Five Minutes
Ideal Applications	Home and Small Office Desktop PCs, Workstations, Routers, Bridges and Hubs, Printers, Point-of-Sale Systems	Home and Small Office Desktop PCs, Workstations	Professional Desktop PCs, Small Office PCs, Network Workstations, Point-of-Sale Terminals	Professional Desktop PCs, Network Workstations, Network Routers, Bridges, Hubs, Point-of-Sale Terminals	Servers, Critical Nodes, Network Workstations, Large Network Peripherals, Network Routers, Bridges, Hubs, Other Electronic Equipment



Liebert PowerSure® Surge II

Unequalled Surge Protection For Computers
And Other Electronic Equipment



This outstanding line-up of high quality surge suppressors offers protection against power surges, spikes and other problems on incoming utility lines — all of which are capable of permanently damaging or affecting the performance of computers and other sensitive electronic devices.

Liebert PowerSure Surge II provides premium power protection for desktop and home office PCs, network workstations, routers, bridges and hubs, printers, point-of-sale systems and other sensitive electronic equipment. Their high quality transient voltage surge suppression (TVSS) circuitry provides maximum protection in a choice of three different models that allows you to select additional levels of protection for telephones, modem, fax, answering machine, network, cable modems, audio, video and other communications equipment.

Three Models Cover Every Surge Protection Need

The Professional Series — Delivers effective, computer-grade power protection for desktop computers, printers, fax machines, point-of-sale systems and other electronic equipment.

The Network Series — Provides data line surge protection for network, telephone, modem, fax, answering machine, DSL and Internet via RJ-45 connection.

The DSS Series — Safely protects cable modems, audio and video equipment connected to the surge protector via two sets of coaxial jacks. The Liebert DSS900T also provides data line surge protection for telephone, modem, fax, answering machine, DSL and Internet via RJ-11 connection.

All three Liebert PowerSure Surge II models offer unique features and superior performance not always found in other surge protection products:

Reliability:

Two Continuously Powered “Always On” Outlets - Continuously supplies surge protected power to equipment that requires constant power. Assures power to a load even if the main switch is turned off.

Thermal Fuses - Thermal fuses shut off the surge suppressor and inhibit destructive surges from passing through if the surge suppressor has failed.

Site Wiring Fault Indicator - Ensures that reversed wiring in your wall socket doesn't cause electrical problems for your connected equipment. Also indicates that your wall outlet is properly grounded.

Surge Protection Available Indicator - Immediately alerts you when surge suppression is no longer able to protect your loads.

On/Off Switch With Circuit Breaker - One master switch for ease of use. Circuit breaker protects against overloads.

High Joule Rating Means High Level Performance - Indicates a greater ability to absorb high energy surges without damage.

UL 1449 Clamping Voltage - Rugged design keeps high voltage spikes from reaching your connected equipment by meeting the stringent standards of UL1449 with 330V clamping voltage.

EMI/RFI Filtration - Eliminates electrical noise present on your utility power lines, such as electromagnetic interference (EMI) and radio frequency interference (RFI), before it ever reaches your equipment.

Additional DSL and Cable Modem Protection

- The Liebert PowerSure Surge II Network Series provides connections for DSL and Internet lines, while the DSS Series also offers protection for cable modems.

Flexibility:

Eight Surge Protected Outlets -

Allow for more electrical equipment to be connected to the Liebert PowerSure Surge II.

Spacing For Three Transformer Blocks -

Offers spacing to accommodate three transformer blocks that can be connected without covering other outlets.

90° Angled Input Plug - Allows the Liebert PowerSure Surge II input plug to be mounted flush with the wall and the cord to be offset by 45° to prevent it from covering a second outlet.

Six-Foot Line Cord - Offers installation flexibility by providing the necessary length for most applications.

Low Total Cost Of Ownership:

Connected Equipment Agreement - Up to \$30,000 connected equipment protection is provided, offering additional peace-of-mind knowing that your investment has been protected.

Liebert PowerSure® PST

Compact, Sensible Off-Line UPS Power Protection For Electronic Equipment

The Liebert PowerSure PST offers more unique features and extraordinary performance than any other UPS system in its class.

The Liebert PowerSure PST is an ultra-compact, off-line UPS that is designed to provide economical one-on-one power protection for a variety of desktop applications. The Liebert PowerSure PST is available in two sizes: 350 and 500 VA at 120 VAC and 500 and 650 VA at 230 VAC.

The Liebert PowerSure PST offers unique features and superior performance not normally found in competitive products. Designed for easy operation, it provides enough battery back-up to save work in process and shut down your system.



**The Liebert PowerSure® PST
Is Ideally Suited For:**

- Desktop PC's
- Workstations
- Other Sensitive Electronics



The Liebert PowerSure PST Offers A Variety Of Other Standard Features:

Reliability:

Lightning And Surge Protection —

The transient voltage surge suppression (TVSS) circuitry inside the Liebert PowerSure PST provides protection for the connected equipment from incoming spikes, surges, and other power anomalies present on the incoming utility power source.

Data Line Surge Suppression (One

Input/ Two Output Ports) — The Liebert PowerSure PST safely protects modems, phone, fax, Internet, DSL and other communication equipment connected to the UPS.

Full Sequenced Battery Testing — The Liebert PowerSure PST provides you with two battery testing options: upon startup of the UPS and an automatic 14-day battery test. Each test provides a comprehensive analysis of the condition of the battery within the UPS, ensuring you that your power will be there when you need it.

UPS Fault Indicator — Provides visual notification of an output overload condition.

Site Wiring Fault Indicator — Ensures that reversed wiring in your wall socket doesn't cause electrical problems for your connected equipment. Also indicates that your wall outlet is properly grounded.

Low Battery Indicator — Notifies user that the UPS battery has only two minutes of backup time available.

Advance Early Warning Of UPS

Shutdown — The Liebert PowerSure PST offers you three audible and visual alarms to immediately alert you to an output overload, high temperature or low battery condition and allows you ample time to either correct the condition or shutdown your system before battery time runs out.

Flexibility:

Three Battery Backed UPS Outlets — Provides backup power to keep your PC, monitor, and other connected equipment running in the event of a power outage.

Two Surge-Only Outlets — Additional outlets that are perfect for use with a printer, fax machine and scanners connected to your UPS.

Liebert PowerSure PST Offers USB

Communication — Provides USB communication for shutdown capabilities. Certified for Microsoft Windows (XP and 2000) and Mac (OS X version 10.2 or later).

Low Total Cost Of Ownership:

Standard Two-Year Warranty — The Liebert PowerSure PST is backed by Liebert's standard two-year warranty, which ensures replacement of your UPS if it experiences problems during the warranty period. Provides additional peace of mind to know that your investment has been protected.

Liebert Product Protection Promise —

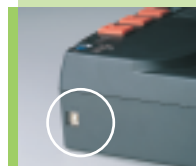
Up to \$25,000 connected equipment protection is provided with the Liebert PowerSure PST.



All outlets are spaced to accommodate transformer plugs.



Status indicators let you know the condition of the UPS.



USB port offers communication to shut down if an outage ever exceeds battery capacity.



Data-Line protection ensures that your communication outlets (Phone/Fax/DSL/Internet/Modem) are also protected.

Liebert PowerSure® PSP

Full Featured, Off-Line UPS Provides Economical, Space-Saving Power Protection For Electronic Equipment

The Liebert PowerSure PSP from Liebert is a compact, full featured UPS that delivers cost-effective power protection. Designed with simple controls for easy operation, the Liebert PowerSure PSP provides over four minutes of battery back-up at full load — more than enough time to save work in process and shut down your system.

Perfect for desktop applications, the Liebert PowerSure PSP provides one-on-one power protection for PCs and other sensitive electronic equipment. Three sizes are available: 350, 500 and 650VA.

For maximum flexibility, a choice of communications options is available — USB, serial or contact closure. This option solves the legacy systems dilemma of what to do with equipment that does not have USB capabilities. A Liebert MultiLink™ automated shutdown software CD, serial communications cable and USB cable are also included.

The Liebert PowerSure® PSP Is Ideally Suited For:

- Professional Desktop PCs
- Network Workstations
- SOHO Office PCs
- Point-of-Sale Terminals
- Other Sensitive Electronics



Liebert PowerSure PSP Provides A Choice Of Communication Solutions For Your Specific Needs

Serial And Contact Closure Communication Option:

Liebert MultiLink™ automated shutdown software allows you to monitor UPS operation and ensures a graceful unattended shutdown in the event of an extended power failure. This option solves the legacy systems dilemma of what to do with equipment that does not have USB capabilities. A MultiLink CD and serial communications cable are included. Liebert MultiLink is compatible with Microsoft Windows, Linux, Novell and SunSoft Solaris.

USB Communication Option:

The Liebert PowerSure PSP is certified for USB, Microsoft Windows (XP and 2000) and Mac (OS X version 10.2 or later). This allows you to take advantage of built-in power management capabilities that provide monitoring of UPS status and manages the automatic orderly shutdown of the computer if a power outage ever exceeds the battery capacity of the UPS. This option offers true plug and play capabilities. USB cable is included.

The Liebert PowerSure PSP Offers A Variety Of Other Standard Features:

Reliability:

Greater Than Four Minutes Of Battery Backup At Full Load When Utility Fails — Provides ample time for an orderly shutdown of connected equipment.

Full Sequenced Battery Testing — Conducts a comprehensive analysis of the condition of the batteries within the UPS and will notify you when replacement is necessary, ensuring that your batteries will be there when you need them.

Advance Early Warning Of UPS Shutdown — The Liebert PowerSure PSP offers you three audible and visual alarms to immediately alert you to an output overload, high temperature or low battery condition and allows you ample time to either correct the condition or shutdown your system before battery time runs out.

User Replaceable Hot Swappable Batteries — Increase product life and offer prolonged, reliable UPS performance.

Lightning and Surge Protection (TVSS) — The transient voltage surge suppression (TVSS) circuitry inside the Liebert PowerSure PSP provides protection for the connected equipment from incoming spikes, surges, and other power anomalies present on the incoming utility power source.

Data Line Surge Suppression — The Liebert PowerSure PSP provides spike and surge protection for modems, phone, fax, network, Internet, DSL and other communication equipment via RJ-45 connection.

Flexibility:

Four Battery Backed UPS Outlets — Allow the UPS to be more flexible by allowing more equipment to be connected to the unit, making Liebert PowerSure PSP the only power source you need to adequately protect your desktop equipment.

Two Surge-Only Outlets — Additional outlets that are perfect for use with a printer, fax machine and scanners connected to your UPS.

Wider Input Voltage Window — A configurable input power selector switch offers a wider input voltage window. This helps to extend battery life by allowing the UPS to maximize time on utility power before transferring to battery when the input power exceeds specified input voltage limits.

Outlets With Spacing To Accept Transformer Blocks — Provide spacing to accommodate larger transformer blocks without covering other outlets.

Low Total Cost Of Ownership:

Standard Two-Year Warranty — Liebert's standard two-year warranty ensures replacement of your UPS if it experiences problems during the warranty period. Provides additional peace of mind to know that your investment has been protected.

Liebert Product Protection Promise — Up to \$25,000 connected equipment protection is provided with the Liebert PowerSure PSP.



Data Line Surge Protection

The Liebert PowerSure PSP provides spike and surge protection for modems, phone, fax, network, Internet, DSL and other communication equipment via RJ-45 connection.



Outlets With Spacing To Accept Transformer Blocks

Provides spacing to accommodate larger transformer blocks without covering other outlets.



User Replaceable Hot Swappable Batteries

Increase product life and offer prolonged, reliable UPS performance.

Liebert PowerSure® PSA

A Value-Added, Full Featured UPS That Delivers Cost Effective Power Protection For Electronic Equipment

Designed for office environments, the Liebert PowerSure PSA provides perfect power protection for more sophisticated applications, including PCs, point-of-sale systems, small routers, bridges, hubs and other electronic equipment.

The Liebert PowerSure PSA offers a configurable input voltage window allowing users to precisely match their input power. For maximum flexibility, a choice of communications options is available — USB, serial or contact closure. The Liebert PowerSure PSA is available in four sizes: 350, 500, 650, and 1000 VA at 120 VAC and 230 VAC.

This unit offers unique features and extraordinary performance not normally found in competitive products. The Liebert PowerSure PSA provides a minimum of five minutes of battery back-up at full load...more than enough time to save work in process and shut down your system.



Liebert PowerSure PSA Provides A Choice Of Communication Solutions For Your Specific Needs

Serial And Contact Closure Communication Option:

Liebert MultiLink™ automated shutdown software allows you to monitor UPS operation and ensures a graceful unattended shutdown in the event of an extended power failure. This option solves the legacy systems dilemma of what to do with equipment that does not have USB capabilities. A MultiLink CD and serial communications cable are included. Liebert MultiLink is compatible with Microsoft Windows, Linux, Novell and SunSoft Solaris.

USB Communication Option:

The Liebert PowerSure PSA is certified for USB, Microsoft Windows (XP and 2000) and Mac (OS X version 10.2 or later). This allows you to take advantage of built-in power management capabilities that provide monitoring of UPS status and manages the automatic orderly shutdown of the computer if a power outage ever exceeds the battery capacity of the UPS. This option offers true plug and play capabilities. USB cable is included.

The Liebert PowerSure PSA Offers A Variety Of Other Standard Features:

Reliability:

Minimum of Five Minutes Of Battery Backup At Full Load When Utility Fails —

Provides ample time for an orderly shutdown of connected equipment.

Full Sequenced Battery Testing —

Conducts a comprehensive analysis of the condition of the batteries within the UPS and will notify you when replacement is necessary, ensuring that your batteries will be there when you need them.

Advance Early Warning Of UPS Shutdown —

The Liebert PowerSure PSA offers you three audible and visual alarms to immediately alert you to an output overload, high temperature or low battery condition and allows you ample time to either correct the condition or shutdown your system before battery time runs out.

User Replaceable Hot Swappable Batteries —

Increase product life and offer prolonged, reliable UPS performance.

Double Boost/Single Buck Technology —

Prolongs UPS battery life by providing automatic voltage regulation (AVR) and compensating for incoming power fluctuations. Allows the UPS to maximize time on utility power before going to battery when the input power exceeds specified limits.

Lightning and Surge Protection

(TVSS) — The transient voltage surge suppression (TVSS) circuitry inside the Liebert PowerSure PSA provides protection for the connected equipment from incoming spikes, surges, and other power anomalies present on the incoming utility power source.

Data Line Surge Suppression —

The Liebert PowerSure PSA provides spike and surge protection for modems, phone, fax, network, Internet, DSL and other communication equipment via RJ-45 connection.

Flexibility:

Four Battery Backed UPS Outlets —

Allow the UPS to be more flexible in accommodating more equipment to be connected to the unit, making Liebert PowerSure PSA the only power source needed.

Two Surge-Only Outlets —

Provide additional outlets that are perfect for use with a printer, fax machine and scanners connected to your UPS.

Advanced Input Voltage Matching —

Allows the UPS to be properly matched to the incoming utility power and adjusts its input window to supply precisely regulated power to its connected load within the selected range.

Outlets With Spacing To Accept Transformer Blocks —

Provides spacing to accommodate larger transformer blocks plugs without covering other outlets.

Low Total Cost Of Ownership:

Standard Two-Year Warranty —

Liebert's standard two-year warranty ensures replacement of your UPS if it experiences problems during the warranty period. Provides additional peace of mind to know that your investment has been protected.

Liebert Product Protection Promise —

Up to \$25,000 connected equipment protection is provided with the Liebert PowerSure PSA.



The PSA receptacles are spaced to accommodate transformer blocks.



Data Line Surge Suppression



User replaceable hot swappable batteries ensure long product life.

Liebert PowerSure® PSI

Proven UPS Protection That Will Keep Your Network Up And Running

The Liebert PowerSure PSI offers more unique features and extraordinary performance than any other UPS system in its class.

The Liebert PowerSure PSI is a compact, line-interactive UPS system designed especially for IT applications. It provides reliable power protection for servers, critical nodes, network workstations, large network peripherals, network routers, bridges, hubs and other electronic equipment.

More Sizes, More Protection

The flexible design of the Liebert PowerSure PSI allows the unit to be configured as a self-standing mini tower or to be rack-mounted within a 2U space. The Liebert PowerSure PSI is available in five sizes: 1000, 1440, 1920, 2200, and 3000 VA at 120 VAC and 230 VAC.

The Liebert PowerSure PSI features an innovative line interactive design incorporating double boost/single buck technology. This protects against utility voltage fluctuation by raising and lowering utility power to the right level needed by the sensitive connected equipment. This allows the UPS to prolong battery life by maximizing its time on utility power before going to battery when the input power exceeds specified input limits.



Advanced Communications For Advanced Monitoring Capability

The Liebert PowerSure PSI's multiple communication choices provide four different solutions for your specific communications needs:

Serial and Contact Closure Communication Option — Liebert MultiLink™ automated shutdown software allows you to monitor communication between the UPS and a server. It also ensures a graceful unattended shutdown in the event of an extended power failure.

USB Communication Option — Windows (XP and 2000) and MAC (OS X 10.2 or later) built-in power management functions provide monitoring of UPS status and manage the automatic orderly shutdown of the computer if a power outage ever exceeds the battery capacity of the UPS.

SNMP Communication Option — The Liebert OpenComms® Web Card provides SNMP and web-based management to your Liebert PowerSure PSI. The card gives you the power to monitor and control your UPS from not only your network management station, but from any PC running Microsoft® Internet Explorer™.



OpenComms® Web card allows remote monitoring, start-up or restart for connected equipment

Liebert PowerSure® PSI Network Solution Package

Network Enabled UPS With Built-In Communications

The Liebert PowerSure® PSI Network Solution Package is a network enabled UPS system that includes a factory-installed Liebert OpenComms Web Card for SNMP communications. This option makes the Liebert PowerSure PSI the most competitively priced UPS on the market when compared to similar systems from other manufacturers.



The Liebert PowerSure PSI Offers A Variety Of Other Standard Features:

Reliability:

Greater Than Five Minutes Of Battery Backup Time At Full Load When Utility Fails — Provides ample time for an orderly shutdown of connected equipment. Optional external battery cabinet provides extended battery runtime for applications that require longer backup time.

Full Sequenced Battery Testing — The Liebert PowerSure PSI provides you with three battery testing options: upon startup of the UPS; automatic 14-day battery test, and a manual test. Each test provides a comprehensive analysis of the condition of the batteries within the UPS and will notify you when the internal batteries need to be replaced.

Advance Early Warning Of UPS System Status — The Liebert PowerSure PSI offers you multiple audible and visual alarms to immediately alert you to an input voltage fluctuation (buck/boost), output overload, high temperature, low battery or replace battery condition. This allows you ample time to either correct the condition or shut down your system before battery time runs out.

User Replaceable Hot Swappable Batteries — Increase product life and provide prolonged UPS reliable service to customer. Batteries are conveniently located behind the front bezel of the unit.

Data line Surge Protection For Telephone/Fax/DSL/Modem — The Liebert PowerSure PSI protects modems, phone, fax, network, Internet, DSL and other communication equipment connected to the UPS via the RJ-45 from incoming spikes and surges.

Flexibility:

Seven To Eight Battery-backed Outlets — Allows the Liebert PowerSure PSI to be more flexible in accommodating additional equipment to be connected to the UPS via the 15, 20, or 30 Amp receptacles.

Configurable Input Voltage Window — Allows the UPS to be properly matched to the incoming utility power and adjusts its input window and transfer points to supply precisely regulated power to its connected loads within the selected range.

Wider Input Voltage Window — Enables the UPS to maximize the use of utility power prior to going to battery when the input power exceeds specified input voltage limits.

Remote Emergency Power Off Capabilities — Allows the UPS to be remotely shutdown during an emergency.

USB, Microsoft Windows (XP and 2000) and MAC (OS X version 10.2 or later) Certified — Assures plug-and-play installation and operation.

Low Total Cost Of Ownership:

Standard 2 Year Warranty — The Liebert PowerSure PSI is backed by Liebert's standard warranty, which ensures that the UPS will be replaced if it experiences problems during the warranty period.

Liebert Product Protection Promise — Up to \$25,000 connected equipment protection is provided with the Liebert PowerSure PSI.



Optional Liebert 2U MicroPOD™ Output Distribution And Maintenance Bypass Module

When your computer system can't be without power, even for scheduled UPS maintenance, Liebert 2U MicroPOD (Power Output Distribution) ensures continuous uptime. It allows you to manually transfer connected equipment to utility power via a maintenance bypass switch, permitting scheduled service or UPS replacement without power disruption.



Optional External Battery Cabinet

Provides extended battery runtime for applications that require longer backup time.



Can be configured as a self-standing mini tower.

Liebert PowerSure Specifications

Liebert PowerSure® PSA Specifications

Model Number	PSA350MT-120	PSA500MT-120	PSA650MT-120	PSA1000MT-120
POWER RATING:				
VA/W	350VA /210 W	500 VA/ 300 W	650VA / 390 W	1000 / 600
DIMENSIONS: W x D x H				
Unit inches	4.6 x 7.7 x 8.7	4.6 x 7.7 x 8.7	4.6 x 14.1 x 8.7	4.6 x 14.1 x 8.7
Unit (mm)	(116x196x222)	(116x196x222)	(116x358x222)	(116x358x222)
WEIGHT: lbs (kg)				
Unit lbs	16.8	17.2	20.7	29.7
Unit (kg)	(7.6)	(7.8)	(9.4)	(13.5)
INPUT AC PARAMETERS:				
Surge Protection	570 J			
Voltage Range Without Battery Operation	78 VAC - 150 VAC, DIP switch selectable			
Input Power Cord	6 ft. (1.8m) attached, w/NEMA 5-15 P			
OUTPUT AC PARAMETERS:				
Output Receptacles	(4) NEMA 5-15R (orange) Battery backup + surge protection (2) NEMA 5-15R (black) Surge protection	(4) NEMA 5-15R (orange) Battery backup + surge protection (2) NEMA 5-15R (black) Surge protection	(4) NEMA 5-15R (orange) Battery backup + surge protection (2) NEMA 5-15R (black) Surge protection	(6) NEMA 5-15R (orange) Battery backup + surge protection (2) NEMA 5-15R (black) Surge protection
Voltage (Battery mode)	120VAC ±8%			
Waveform (Battery mode)	Stepped Sinewave			
Frequency	50 Hz or 60 Hz; auto sensing			

Liebert PowerSure® PSA Runtime Table

Typical Battery Backup Time	PSA350MT-120	PSA500MT-120	PSA650MT-120	PSA1000MT-120
DeskTop w/17" LCD	19 min	28 min	30 min	47 min
DeskTop w/19" LCD	16 min	25 min	22 min	44 min
DeskTop w/20" LCD	15 min	24 min	21 min	40 min
Tower w/17" LCD	18 min	26 min	28 min	45 min
Tower w/19" LCD	12 min	18 min	20 min	35 min
Tower w/20" LCD	11 min	17 min	19 min	34 min
Mac G4 w/17" LCD	-	15 min	14 min	25 min
Mac G4 w/20" LCD	-	11 min	11 min	21 min
Mac G5 w/17" LCD	-	10 min	10 min	20 min
Mac G5 w/20" LCD	-	-	8 min	17 min

Liebert PowerSure® PSP Specifications

Model Number	PSP350MT-120	PSP500MT-120	PSP650MT-120
POWER RATING:			
VA/W	350VA/210W	500VA/300W	650VA/390W
DIMENSIONS: W x D x H			
Unit inches	3.7 x 9.5 x 8	3.7 x 9.5 x 8	3.7 x 9.5 x 8
Unit (mm)	(95 x 240 x 205)	(95 x 240 x 205)	(95 x 240 x 205)
WEIGHT:			
Unit lbs	10.2	10.2	10.2
Unit (kg)	(4.6)	(4.6)	(4.6)
INPUT AC PARAMETERS:			
Surge Protection	570J		
Voltage Range Without Battery Operation	90VAC - 145VAC, DIP switch selectable		
Input Power Cord	6 ft. (1.8m) attached, w/ NEMA 5-15 P		
OUTPUT AC PARAMETERS:			
Output Receptacles	(4) NEMA 5-15R (orange) Battery backup + surge protection; (2) NEMA 5-15R (black) Surge protection		
Voltage (Battery mode)	120VAC ±8%		
Waveform (Battery mode)	Stepped Sinewave		
Frequency	50 Hz or 60 Hz; auto sensing		

Liebert PowerSure® PSP Runtime Table

Typical Battery Backup Time	PSP350MT-120	PSP500MT-120	PSP650MT-120
DeskTop w/17" LCD	20 min.	22 min.	30 min.
DeskTop w/19" LCD	17 min.	18 min.	22 min.
DeskTop w/20" LCD	16 min.	17 min.	21 min.
Tower w/17" LCD	20 min.	22 min.	28 min.
Tower w/19" LCD	13 min.	12 min.	20 min.
Tower w/20" LCD	10 min.	11 min.	19 min.
Mac G4 w/17" LCD	-	9 min.	14 min.
Mac G4 w/20" LCD	-	5 min.	11 min.
Mac G5 w/17" LCD	-	5 min.	10 min.
Mac G5 w/20" LCD	-	-	7 min.



Liebert PowerSure® Surge II

Specifications

PERFORMANCE	PRF555	NET900T	DSS900T	OTHER FEATURES	PRF555	NET900T	DSS900T
Joules (bigger is better)	600 J	900 J	900 J	Phone Line Protection	No	Yes	Yes
UL 1449 Clamping Voltage (smaller is better)	330 V	330 V	330 V	Cable Protection	No	No	Yes
Peak Surge Current (bigger is better)	48,000 A	72,000 A	72,000 A	Number of Receptacles	8	8	8
IEEE Let-Through Voltage* (smaller is better)	<10 V	<10 V	<10 V	Number of Always On Receptacles	2	2	2
EMI/RFI Filtration (bigger is better)	>50 dB	>50 dB	>40 dB	Thermal Fuses	Yes	Yes	Yes
				Reversed Wiring Indicator	Yes	Yes	Yes
				Surge Protection Available Indicator	Yes	Yes	Yes
				On/Off Switch with Circuit Breaker	Yes	Yes	Yes
				Connected Equipment Agreement	\$15,000	\$30,000	\$30,000

Liebert PowerSure® PST

Specifications

Model Number	PA350-120U	PA500-120U
POWER RATING:		
VA/W	350VA/225W	500VA/300W
DIMENSIONS: W x D x H		
Unit inches	6.6 x 9.8 x 3.7	
Unit (mm)	(168 x 250 x 95)	
WEIGHT: lbs (kg)		
Unit lbs	11.7	13.5
Unit (kg)	(5.3)	(6.1)
INPUT AC PARAMETERS:		
Surge Protection	603J	
Voltage Range Without Battery Operation	98VAC - 140VAC ±3VAC	
Input Power Cord	6.5 ft. (2m) attached, w/ NEMA 5-15 P	
OUTPUT AC PARAMETERS		
Output Receptacles	(3) NEMA 5-15R (orange) Battery backup + surge protection; (2) NEMA 5-15R (black) Surge protection	
Voltage (Battery mode)	120VAC ±8%	
Waveform (Battery mode)	Stepped Sinewave	
Frequency	60Hz	

Liebert PowerSure® PST

Runtime Table

Typical Battery Backup Time	PA350-120U	PA500-120U
DeskTop w/17" LCD	16 min.	18 min.
DeskTop w/19" LCD	11 min.	16 min.
DeskTop w/20" LCD	9 min.	15 min.
Tower w/17" LCD	11 min.	18 min.
Tower w/19" LCD	9 min.	12 min.
Tower w/20" LCD	7 min.	10 min.
Mac G4 w/17" LCD	6 min.	8 min.
Mac G4 w/20" LCD	-	4 min.
Mac G5 w/17" LCD	-	4 min.
Mac G5 w/20" LCD	-	-

Liebert PowerSure® PSI

Specifications

Model Number	PS1000RT2-120	PS1440RT2-120	PS1920RT2-120	PS2200RT2-120	PS3000RT2-120	
Model Number with Web Card Installed	PS1000RT2-120W	PS1440RT2-120W	PS1920RT2-120W	PS2200RT2-120W	PS3000RT2-120W	
POWER RATING: VA/W	1000VA/750W	1440VA/1080W	1920VA/1500W	2200VA/1650W	3000VA/2250W	
DIMENSIONS: W x D x H						
Unit inches	3.43 x 22 x 17	3.43 x 22 x 17	3.43 x 24.1 x 17	3.43 x 24.1 x 17	3.43 x 24.1 x 17	
Unit (mm)	(87 x 557 x 430)	(87 x 557 x 430)	(87 x 612 x 430)	(87 x 612 x 430)	(87 x 612 x 430)	
WEIGHT: lbs (kg) Unit	61.7 (28.0)	68.2 (31.0)	77.0 (35.0)	77.0 (35.0)	81.6 (37.0)	
INPUT AC PARAMETERS:						
Surge Protection	570J					
Voltage Range Without Battery Operation	78VAC - 150VAC, configurable					
Frequency Range	45 - 65 Hz (±0.1 Hz)					
Input Power Cord	10 ft. (3m) attached, w/NEMA 5-15 P	10 ft. (3m) attached, w/NEMA 5-15 P	10 ft. (3m), attached, NEMA 5-20 P	10 ft. (3m) attached, w/NEMA L5-30 P	10 ft. (3m) attached, w/NEMA L5-30 P	
OUTPUT AC PARAMETERS:						
Output Receptacles	(8) NEMA 5-15 R	(8) NEMA 5-15 R	(6) NEMA 5-15 R (2) NEMA 5-20 R T-Slot, accepts 15APlug	(6) NEMA 5-15 R (2) NEMA 5-20 R T-Slot, accepts 15APlug	(4) NEMA 5-15 R (2) NEMA 5-20 R (1) NEMA L5-30 R T-Slot, accepts 15APlug	
Voltage (Normal mode)110 / 120 / 127 VAC (configurable) ±10%						
Voltage (Battery Mode)110 / 120 / 127 VAC (configurable); ±5% before low battery warning; ±8% after low battery warning						
Transfer Time4-6 ms typical						
WaveformSinewave						
Frequency (Normal Mode)45 - 65 Hz (±0.1 Hz)						
Frequency (Battery Mode)50 or 60 Hz (±5%); auto sensing						
BATTERY PARAMETERS:	Load%	PS1000RT2-120(W)	PS1440RT2-120(W)	PS1920RT2-120(W)	PS2200RT2-120(W)	PS3000RT2-120(W)
Internal Battery Runtime	20%	65 min.	45 min.	52 min.	47 min.	47 min.
	40%	37 min.	24 min.	25 min.	23 min.	22 min.
	60%	24 min.	14 min.	15 min.	13 min.	14 min.
	80%	16 min.	9 min.	10 min.	8 min.	9 min.
	100%	11 min.	5 min.	6 min.	5 min.	6 min.
Recharge Time4 hours to 90% of rated capacity, after full discharge into resistive load						
EXTERNAL BATTERY CABINET MODEL NUMBER:	PS2-48VBATT	PS2-48VBATT	PS2-72VBATT	PS2-72VBATT	PS2-72VBATT	
Internal Battery Runtime + 1 External Battery Cabinet						
50%	119 min.	72 min.	105 min.	99 min.	67 min.	
100%	46 min.	30 min.	43 min.	40 min.	29 min.	
Internal Battery Runtime + 2 External Battery Cabinets						
50%	209 min.	133 min.	163 min.	150 min.	129 min.	
100%	98 min.	56 min.	89 min.	77 min.	52 min.	
Internal Battery Runtime + 3 External Battery Cabinets						
50%	274 min.	209 min.	237 min.	222 min.	168 min.	
100%	136 min.	95 min.	128 min.	120 min.	88 min.	
Internal Battery Runtime + 4 External Battery Cabinets						
50%	305 min.	257 min.	281 min.	274 min.	222 min.	
100%	188 min.	125 min.	150 min.	144 min.	118 min.	
ENVIRONMENTAL:						
Operating Temperature	+32°F to +104°F (0°C to +40°C)					
Storage Temperature	+5°F to +104°F (-15°C to +40°C)					
Relative Humidity	0% to 95%, non-condensing					
Operating Altitude	Up to 10,000 ft. (3000m) at 95°F (35°C) without derating					
Audible Noise	<40 dBA, internal fan(s) off <50 dBA, internal fan(s) on		<40 dBA, internal fan(s) off <60 dBA, internal fan(s) on			
AGENCY:						
Safety	UL 1778, c-UL Listed					
Surge Immunity	IEEE 587, Category A					
Emissions (RFI/EMI)	FCC Part 15, Class B		FCC Part 15, Class A			
Transportation	ISTA Procedure 1A Certification					

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