

General Features

PowerSure InterActive™ 230 VAC Models

Power Rating	700VA 450W	1000VA 670W	1400VA 950W	2200VA 1600W
Input				
Voltage range	166-272VAC	166-272VAC	166-272VAC	166-272VAC
Receptacles	1 CEE 22	1 CEE 22	1 CEE 22	1 CEE 19
Output				
Voltage	186 VAC to 248 VAC			
Waveform	Sinewave			
Output receptacles	4 CEE 22	4 CEE 22	4 CEE 22	4 CEE 22 1 CEE 19
Operating back-up time	>10 minutes			
Physical (MiniTower)				
Width mm	140	172	172	192
Height mm	178	227	227	318
Depth mm	366	465	465	502
UPS weight kg	13.6	19.7	22.5	37.1
Physical (Rackmount)				
Width mm	430	430	430	430
Height mm	133	133	133	178
Depth mm	483	483	483	483
UPS weight kg	18.9	23.3	26.0	39.1

PowerSure® ProActive

Model	PSA350-230	PSA470-230	PSA700-230	PSA1000-230
Model Rating VA/W	350VA/210W	470VA/282W	700VA/420W	1000VA/630W
Dimensions WxDxH (mm)	116 x 353x 166	116 x 353x 166	116 x 353x 166	163 x 360x 214,5
Weight: Unit (kg)	6	7	10	16,2
Battery Parameters				
Quantity x Voltage x Rating	1 x 12v x 7.0 ah	1 x 12v x 7.0 ah	1 x 12v x 10 ah	3 x 6v x 12 ah
Transfer Time	2 - 6 ms			
Operating back-up time	> 10 minutes			
Input AC Parameters				
Voltage Range without Battery Operation	166 to 275 VAC			180 to 270 VAC
Line to Boost Transfer	Below 198 VAC (-14% to -28% of nominal)			Below 210 VAC
Line to Buck Transfer	Above 250 VAC (+9% to +20% of nominal)			Above 244 VAC
Frequency	50 Hz or 60 Hz; auto sensing			
Output AC Parameters				
Voltage (Battery Mode)	230VAC ± 5%			230VAC ± 10%
Voltage (Normal)	Vin x 1.0			
Voltage (Boost Mode)	Vin x 1.13			
Voltage (Buck Mode)	Vin x 0.85			

NEW

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Power Protection For Desktop, Network And Telecom Equipments



PowerSure InterActive™

Power Conditioning And UPS In A Compact Size



Power outages long enough to notice happen several times a year. However, potentially dangerous power fluctuations occur at an average rate of nearly one a day. If you need a UPS - and especially power conditioning - consider the PowerSure InterActive from Liebert. Designed with simple controls for easy operation, the PowerSure InterActive provides five minutes of battery back-up at full load ...more than enough time to save work in progress and shut down your system. With its advanced line-interactive technology, the PowerSure InterActive filters utility power to eliminate spikes, noise and other transients before power is supplied to your valuable electronic equipment. The unit also contains a voltage boost circuit that corrects input voltage as low as 27% below normal, and does so without switching to battery back-up. This reduces battery demand and increases battery life.

High Reliability UPS And Power Conditioning For A Wide Range Of Network And Stand-Alone Applications

Major Applications

- Network servers and critical nodes
- Small Office and Home Office PCs
- Point-of-sale terminals
- Test equipment
- Workstations
- Large network peripherals
- Network routers
- Bridges and hubs

Features

The PowerSure InterActive constantly filters the input power to protect your sensitive electronic equipment. If power fails completely, demand is instantly transferred to the battery back-up to provide clean, sinewave power. In addition, the PowerSure InterActive provides:

- Lightning and surge protection that conforms to EN61000-4-5 level 2. Dual, full-time filtering of electrical noise and transients, including harmonics generated by other network equipment. EMI and RFI filtering improves power quality to connected equipment during normal operation, meeting EN55022, Class B.
- Buck & boost voltage circuit that corrects brownout-level voltage all the way down to 27% of nominal before triggering a transfer to battery back-up, and overvoltage up to 18%.
- Frequency auto sensing allows the unit to operate at 50 or 60Hz.
- Easy-to-read and easy-to-use status indicators and controls, with audible alarms for critical functions.
- Standard network computer interface included, making PowerSure InterActive ready to work with Multilink communications software.
- IntelliSlot™ communications port for simple installation of the SNMP WEB CARD.
- EasySwap™ user replaceable batteries for quick on-site battery change.
- Black-start capability utilises internal battery power to start the UPS and run protected equipment when mains power is not available, providing sufficient time to copy files, print documents or complete critical tasks.
- The PowerSure InterActive is also available in 120V, 60Hz models.
- Full 2-year warranty-extension available (1 or 3 years).

PowerSure® ProActive

Feature-Rich Power Protection For Network & Desktop Equipment

NEW
1000 VA



Cost Effective Solution With Line-interactive Technology

When you are concerned about power quality and back-up time for your sensitive network equipment, the one-on-one protection of the PowerSure ProActive provides dual benefits: the value of an off-line UPS combined with the superior voltage regulation of the line-interactive UPS.

- More than ten minutes of instantaneous typical battery back-up
- Line-Interactive design offering automatic voltage regulation ("buck & boost") without transfer to battery
- Lightning and surge protection for all outlets
- Fourteen day automatic UPS and battery test
- Automatic overload protection
- Communications port on all models for use with free MultiLink software (provided)
- Two-year warranty-extension available (1 or 3 years)
- Power protection in 350VA, 470VA, 700VA and 1000VA sizes

PowerSure ProActive is suitable for:

- PC and small desktop systems
- Work stations & peripherals
- Network nodes
- Heavily configured Pentium systems

The Effective Combination Of Technology And Value

The Liebert PowerSure ProActive combines the advantages of line-interactive technology with the economy of an off-line UPS. It protects against more adverse power conditions than any other unit in its class. The innovative design of the UPS takes the line-interactive design and adds automatic voltage regulation (AVR or "buck & boost"). It protects against voltage fluctuations by raising or lowering utility power to the right level for sensitive equipment - all without transfer to battery. PowerSure ProActive uses the UPS inverter in reverse during normal operation as a battery charger. As a result you get improved efficiency, reliability and filtering.

The PowerSure ProActive offers many features not found on other UPS systems in this price range:

- Intelligent power management comprises two battery saving features: automatic voltage regulation and automatic overload protection
- Automatic voltage regulation boosts input sags as low as 28% from nominal and bucks input overvoltages as high as 20% from nominal without using the battery system. PowerSure ProActive is essential in environments where sags and surges are an everyday occurrence
- Automatic overload protection continually monitors the UPS load, preventing inadvertent shutdown during emergency situations and keeping run time optimised. Most other UPS brands only notify of an overload condition when a test is run or when the unit switches to battery - potentially too late
- Full-sequence battery testing ensures that your battery is emergency-ready: both the 14-day automatic test and a single-push manual test provide comprehensive analysis of your battery and system
- Lightning and surge protection that protects the system from hardware damage
- Dual, full-time filtering of electrical noise and transients. EMI and RFI filtering improves power quality and minimises corruption of data files by filtering out line noise from computer operation
- PowerSure ProActive communications interface provides the automatic-unattended shutdown of all major operating systems when used in conjunction with Liebert's free UPS software product - MultiLink
- RJ45 sockets for phone lines and LAN protection from surge and noise