

Liebert® PSI

High Performance Rack & Tower UPS For Network Power Protection

■ AC Power for
Business-Critical Continuity™



Flexibility:

- Eight battery-backed outlets
- Configurable input voltage window
- Rotatable Display Panel
- Automatic Frequency Sensing
- Rack Rail Kit
- Multiple Communications Options:
Contact Closure, USB and SNMP

Higher Availability:

- Data line surge protection
- Advance early warning of
UPS system status
- Up to five minutes of battery
backup time at full load when
utility fails
- Full sequenced battery testing
- Surge protection
- Remote emergency power off
- Hot swappable batteries

Lowest Total Cost Of Ownership:

- 0.9 Output Power Factor
- Wider input voltage window
- Reduced installation time and costs
- Warranty Protection

Liebert PSI is a compact, line-interactive UPS system designed especially for IT applications such as network closets and small data centers. It provides reliable power protection for servers, critical nodes, network workstations, large network peripherals, network routers, bridges, and other electronic equipment.

The flexible design of Liebert PSI allows the UPS to be configured as a self-standing tower or to be rack-mounted within a 2U space. It is available in five capacities, and both 120V or 230V models.

The UPS features an innovative line-interactive design incorporating buck/boost automatic voltage regulation technology. This protects against utility voltage fluctuation by raising and lowering utility power to the level needed by the connected equipment. It also allows the UPS to prolong battery life by maximizing its time on utility power before going to battery.

Ideally suited for:

- PCs
- Network workstations
- Servers
- Network closets
- Large network peripherals
- VoIP

PSI 2U Tower version



PSI 2U Rack version




EMERSON
Network Power

Liebert® PSI Specifications

Model Number	PS750RT3-230	PS1000RT3-230	PS1500RT3-230	PS2200RT3-230	PS3000RT3-230
Power Rating	750VA/675W	1000VA/900W	1500VA/1350W	2200VA/1980W	3000VA/2700W
Dimensions, W x D x H - mm					
Unit	440 x 412 x 88		440 x 657 x 88		
Shipping	560 x 595 x 228		560 x 776 x 228		
Weight - kg					
Unit	15	19.4	20.9	33.8	37.2
Shipping	18.2	22.6	24.1	38.3	41.5
Input AC Parameters					
Surge Protection	220J				
Voltage Range Without Battery Operation	165-300, Configurable				
Frequency Range	45-65Hz, (±0.5Hz)				
Input Socket	IEC-320-C14		IEC-320-C20		
Output Receptacles	(8) IEC-320-C13		(8) IEC-320-C13 - (1) IEC-320-C19		
Voltage, Normal Mode	220/230/240 VAC, Configurable, ±10%				
Voltage, Battery Mode	220/230/240 VAC, Configurable; ±5% Before Low Battery Warning				
Transfer Time	4-6 ms, Typical				
Waveform	Sinewave				
Overload Warning	> 100%				
Battery Parameters					
Type	Valve-Regulated, Nonspillable, Lead Acid				
Quantity x Voltage x Ah	2 x 12 x 7.2	3 x 12 x 7.2	3 x 12 x 9	6 x 12 x 7.2	6 x 12 x 9
Backup Time	See Load Autonomy table below				
Recharge Time	5 hours to 90% of rated capacity, after full discharge into resistive load				
Environmental					
Operating Temperature	0°C to 40°C (32°F to 104°F)				
Storage Temperature	-15°C to 40°C (5°F to 104°F)				
Relative Humidity	0% to 90%, non-condensing				
Operating Altitude	Up to 3000m (10,000 ft.) at 35°C (95°F) without derating				
Audible Noise	<45 dBA				
Agency					
Safety	IEC/EN/AS 62040-1-1				
Surge	IEC/EN/AS61000-4-2				
ESD	IEC/EN/AS61000-4-3				
Susceptibility	IEC/EN/AS61000-4-4				
Electrical Fast Transient	IEC/EN/AS 62040-2 2nd Ed class A				
Emissions	IEC/EN/AS61000-4-6				
Conducted Immunity	IEC/EN/AS61000-3-2				
Harmonics	IEC/EN/AS61000-4-6				
Transportation	ISTA Procedure 1A Certification				
Environmental	ROHS compliant				
Warranty	2 years standard (+1 year warranty extension available)				
Packaging	Multi-Language User Manual on CD, Liebert MultiLink Software on CD, Contact Closure (ML9P9S) Cable USB Cable, Tower Stand, Mounting Hardware, Rack-Mount Handles, Fixed Mounting Rails, EPO Connector, Input Power Cord, 2200/3000 only: 2 - (1) Schuko to IEC-320-C19 and (1) UK plug to IEC-320-C19 input cord, IEC Output Cable, 750/1000/1500 only: 2 - (2) IEC-320-C13, IEC Output Cable, 2200/3000 only: 3 - (3) IEC-320-C13				

Locations

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Emerson Network Power™

The global leader in enabling Business-Critical Continuity™.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- Embedded Power
- Infrastructure Management & Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

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Load Autonomy - Liebert PSI 750VA-3000VA

	Load %	750VA	1000VA	1500VA	2200VA	3000VA
Internal Battery	10	84	93	76	82	76
	20	45	47	32	44	32
	30	25	26	17	19	17
	40	15	15	12	14	12
	50	11	12	9	11	9
	60	9	9	7	9	7
	70	7	7	5	7	5
	80	5	6	4	5	4
	90	4	5	3	4	3
	100	4	4	3	3	3

Note: All run times are in minutes, assume fully charged batteries and are typical at 25°C (77°F) with resistive loads.

