

Vertiv™ Liebert® PSA-PH

PSA650-PH, Line Interactive UPS 650VA/360W, 230V



Features and Benefits

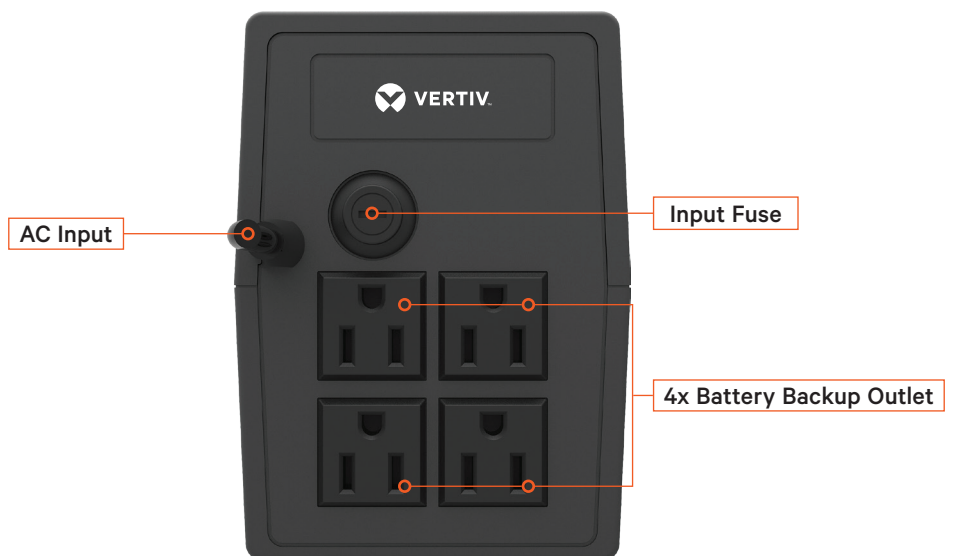
- Line-interactive UPS with stepped sinewave output
- Fuse protection
- Built-in boost and buck AVR for clean and stabilized output power
- Overload protection and alarm
- Auto restart function when AC source recovers
- 4x Standard Power Outlets with Grounding
- Microprocessor control for high guaranteed system reliability
- Ample space for large plugs
- High Surge Resistant
- Lightweight and compact size
- 3 Colors LED status light

The Vertiv™ Liebert® PSA-PH is a feature-rich reliable line-interactive uninterruptible power supply (UPS) solution specifically designed for consumer electronic devices such as desktop computers, router/modem, gaming peripherals, smart home equipment etc. Designed in a compact footprint, the Liebert® PSA-PH ensures a safe and trouble-free operation.

The PSA650-PH model is suitable for those looking for a UPS alternative that offers the same efficient protection for vital equipment against power disturbances, and the same reliable backup power support at an affordable cost.



Front



Rear

Technical Specifications

Model Number	PSA650-PH	
Capacity (VA/W)	650/360	
Physical		
Unit Weight, kg. (lb.)	3.8 (8.4)	
Unit Dimensions, W × D × H mm (in.)	101 × 280 × 142 (4.0 × 11.0 × 5.6)	
Shipping Weight, kg. (lb.)	4.3 (9.5)	
Shipping Dimension, W × D × H mm (in.)	142 × 326 × 213 (5.6 × 12.8 × 8.4)	
Input		
Voltage	230VAC	
Input Voltage Range	170–280VAC, Single Phase	
Input Frequency	50/60 Hz (Auto Sensing)	
Online Frequency Range (50Hz/60Hz)	45–55Hz ± 1Hz/ 55–65Hz ± 1Hz	
Output		
Output Voltage (Utility Power Normal)	230VAC, Single Phase	
Output Voltage (Battery Operation)	230 ± 10%	
Transfer Time	Typical 4–8ms, 10ms max	
On-Battery Wave Form	Stepped Sinewave	
Output Frequency Battery Mode	50Hz / 60Hz ± 1Hz	
Battery		
Battery Type, VDC × Ah × Quantity	12V × 7 Ah × 1	
Typical Recharge Time	6–8 Hours to 90%	
Operating Environment		
Operating Temperature, °C	0 to 40	
Storage Temperature, °C	-20 to 50	
Operating/Storage Relative Humidity	0–90%, Non-condensing	
Noise Level	Less than 45dB	
Protection		
Full Protection	Surge, Short Circuit, Overload, Overcharge, and Over Discharge Protection	
Indicators		
LED Display (LED version)	AC Mode (green), Battery Mode (yellow), Fault (red)	
Alarm		
Battery Mode	Sounding every 10 seconds	
Low Battery	Sounding every 1 second	
Overload (at Normal Mode)	Sounding every 0.5 second	
Overload (at Battery Mode)	UPS shuts down immediately	
Fault	Continuously sounding	
Runtime Table		
Load (%)	Load (W)	Runtime Approx. (minutes)
10%	36 W	48
20%	72 W	20
30%	108 W	10
50%	180 W	3



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(PSA650-PH)