



Product brochure

Vertiv™ PowerUPS 100 Standby Series

350VA to 1100VA, 120V

Reliable, affordable desktop power protection for PCs, workstations and essential electronics.



Reliable protection. Modern design. Everyday peace of mind.

The Vertiv™ PowerUPS 100 Series delivers dependable desktop power protection in a sleek, space-saving design, keeping your electronics safe with built-in battery backup and surge protection. Available in Lithium and VRLA versions, the series lets you choose the option that best fits your usage and lifestyle.

What's in the box:

- Vertiv PowerUPS 100 UPS
- Quick Installation Guide
- Safety Instructions
- USB Cable, Type A to B

Applications:

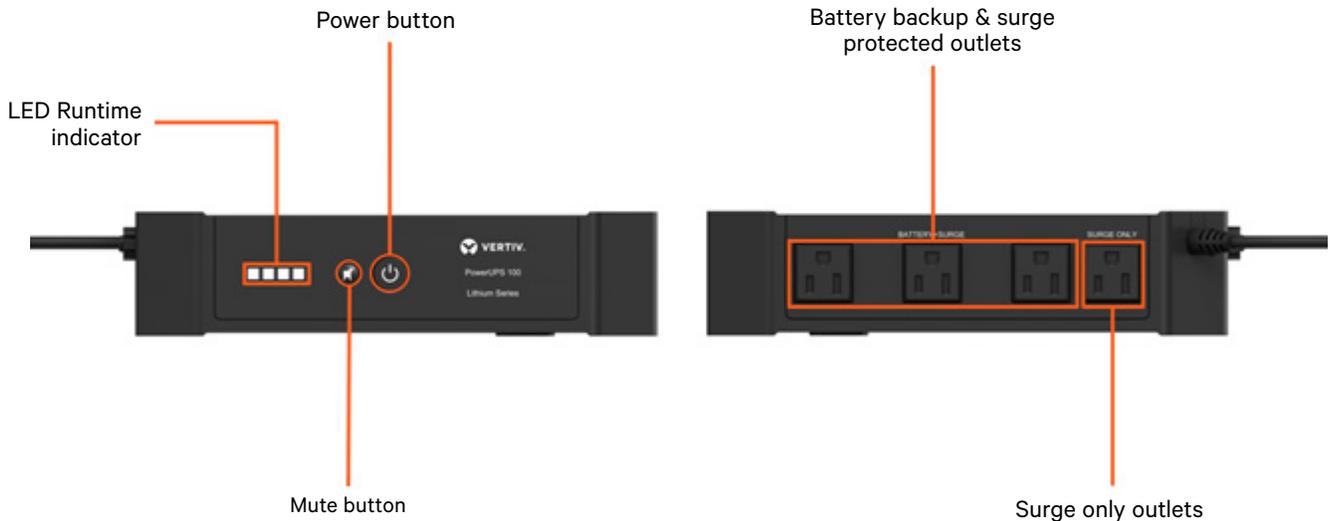
- Personal computers
- Workstations
- Gaming consoles
- Kiosks
- Smart home devices
- Surveillance systems
- Wireless networks
- Retail Point-of-Sale (POS) equipment
- AI Supercomputer (e.g. DGX Spark, Dell GB10)



Vertiv™ PowerUPS 100 Standby Series 120V



Vertiv™ PowerUPS 100 Lithium Standby Series highlights



Features and benefits

Lithium-ion battery:

Lithium-ion technology delivers up to 3 times the life expectancy of lead-acid batteries which reduces maintenance, labor and replacement costs.

Battery and surge protected outlets:

4 total outlets with 3 backup outlets offer enough space and capacity to protect all your critical electronics.

Wall-mountable:

Offers two conveniently located keyhole sockets for mounting the UPS.

Runtime LED indicators:

4 indicators provide a quick view of remaining battery capacity.

Alarm management:

A dedicated mute button allows you to quickly silence alarms.

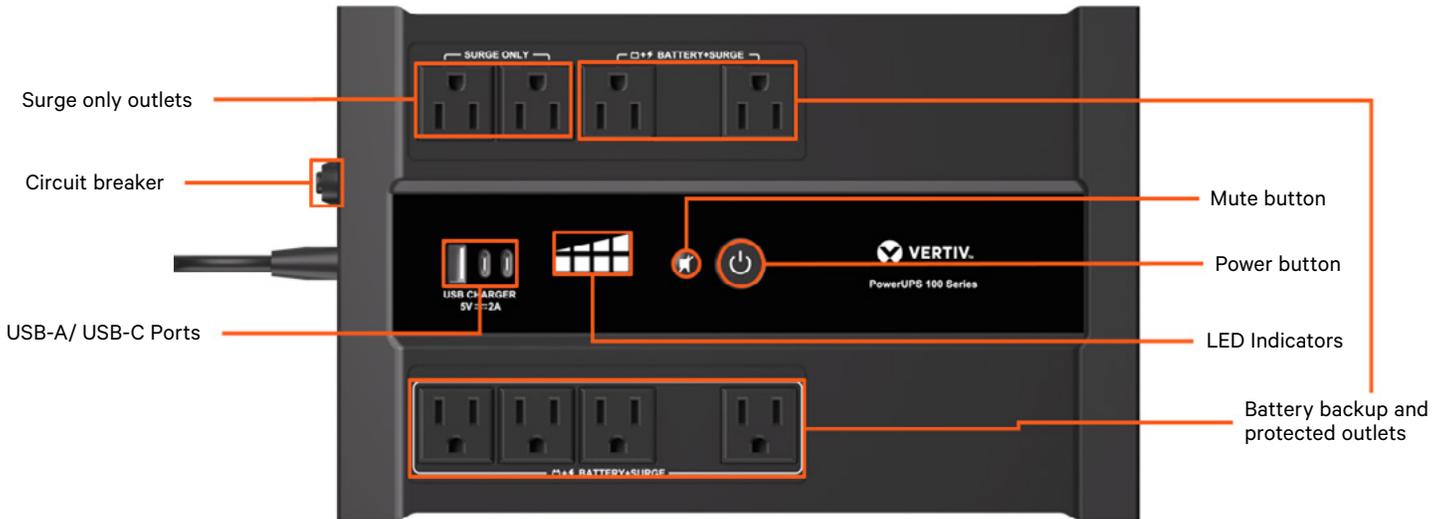
5-Year warranty:

Full unit coverage, including the battery, with an advanced replacement warranty.

Equipment Protection Plan (EPP):

The Equipment Protection Plan offers reimbursement or replacement for any devices damaged by power surges while connected to your Vertiv™ PowerUPS 100 Standby UPS.

Vertiv™ PowerUPS 100 Standby Series highlights



Features and benefits

Up to 8 outlets:

Available with up to 6 battery backup and surge protected outlets and 2 surge only outlets for all your critical devices.

User-replaceable batteries:

Quickly and safely swap out batteries to extend UPS life.

USB-A and USB-C charging ports:

Convenient charging for your mobile devices.

Wall mountable:

Conveniently located keyhole sockets allow the UPS to be easily mounted to a wall or desk.

Energy Star:

A government-backed symbol that is awarded to energy efficient products that meet eco-friendly requirements.

Runtime LED indicators:

4 indicators provide a quick view of remaining battery capacity.

**Excluding PST6-500LVMT*

Wide range of capacity options:

Choose from 500VA, 700VA, 900VA or 1100VA models to match the power capacity and runtime requirements of your connected devices.

Alarm management:

A dedicated mute button allows you to quickly silence alarms.

3-year warranty:

Full unit coverage, including the battery, with advanced replacement warranty.

Equipment Protection Plan (EPP):

The Equipment Protection Plan offers reimbursement or replacement for any devices damaged by power surges while connected to your Vertiv™ PowerUPS 100 Standby UPS.

Free management software*:

Vertiv™ Power Assist gracefully shuts down your devices during power outages. It is easy to install and helps protect your devices from data loss and equipment damage.



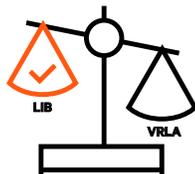
Lithium-Ion key benefits vs VRLA

Lithium-ion is game-changing technology when it comes to UPS batteries. When compared to traditional valve-regulated lead-acid (VRLA) batteries, lithium-ion batteries have greater power density, last up to 3 times longer, recharge much more quickly, and can endure up to 10x more discharge cycles. With a 5-year standard warranty, more than double the useful life, and more runtime, the Vertiv PowerUPS 100 Lithium is an ideal choice for electronics that need reliable and economical power protection.

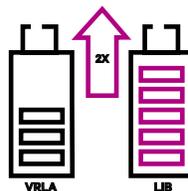
- Up to 3x battery life
- Lowest TCO
- 5-year standard warranty
- Longer runtime
- Quicker recharge times
- Smaller and lighter
- Up to 10x more discharge cycles
- Greater battery performance in higher temperature environments



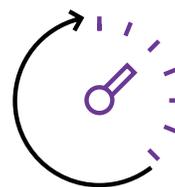
Lowest TCO



Smaller & lighter



Longer life



Longer runtime

Feature	VRLA Battery	LIO battery	Lithium-ion benefit
Standard battery life	3-5 years	8-10 years	Up to 3 times longer life
Typical cycle life	200-260	2000	Up to 10x more discharge/recharge cycles available
Battery recharge time (to 90%)	6-8 hours	2 hours	Fast recovery time, multiple outages can be handled over a short period
Warranty	2-3 years	5 years	Install and go - ideal for remote or unmanned locations

Technical specifications - Vertiv™ PowerUPS 100 Lithium Standby Series

Model number	PUL-350LVT	PUL-400LVT
Capacity (VA / W)	350 / 210	400 / 240
Unit dimensions, in (mm) W x D x H	9.57 x 7.36 x 2.28 (243 x 187 x 58)	4.72 x 8.27 x 5.51 (120 x 210 x 140)
Unit weight, lbs. (kg)	3.33 lbs. (1.51 kg)	3.92 lbs (1.78 kg)
Shipping dimensions, in (mm) W x D x H	13.39 x 11.14 x 5.91 (340 x 283 x 150)	7.44 x 10.98 x 9.13 (189 x 279 x 232)
Shipping weight, lbs. (kg)	5.20 lbs. (2.36 kg)	4.96 lbs (2.25 kg)
Input AC		
Nominal voltage	120 VAC	
Voltage range	88-142 VAC	
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)	
Protection	Resettable Circuit Breaker	
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground	
Surge energy rating	381 Joules	
Input cord	6 ft. attached with NEMA 5-15P	
Output AC (on utility)		
Nominal voltage	120 VAC	
Voltage range	88-142 VAC	
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)	
Efficiency	Up to 97% at 100% Load	Up to 98% at 100% load
Output AC (on battery)		
Nominal voltage	120 VAC	
Voltage range	120 +/- 8% VAC	
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)	50/60Hz +/- 1 Hz (auto-sensing)
Waveform	Simulated Sinewave	
Transfer time	4-8 ms typical (10 ms max)	
Overload capacity	110% for 5 seconds, 120% immediate shutdown	
Protection	Electronic (over current, short circuit, overload)	Electronic (over current, short circuit, over charge w/ latching shutdown)
Backup time (half load) mins	8 mins	12 mins
Battery type	Lithium-Ion	
Battery backed & surge protected outlets	3 (NEMA 5-15R)	
Surge only outlets	1 (NEMA 5-15R)	
Environmental requirements		
Operating temperature °F (°C)	32 to 104 (0 to 40)	
Operating elevation, ft (m)	0 - 10,000 (0 - 3,000)	
Relative humidity	0-95% non-condensing	
Storage temperature °F (°C)	-10 to 50 (14 to 122)	
Storage elevation, ft (m)	0 - 10,000 (0 - 3,000)	
Audible noise	<45 dBA @ 3 ft (1 m) from all sides	
Agency		
Safety	cTUVus, FCC Class B, UL 1778, UL 1973, NOM	ANSI/CAN/UL 1973:2018, UL 1778: 2014 R10.17CSA C22.2 No. 107.3-14+G11
RFI / EMI	Conducted Emission at Mains Terminals - FCC CFR Title 47, Part 15, Subpart B, Class B ANSI C63.4-2014 Radiated Emission - FCC CFR Title 47, Part 15, Subpart B, Class B ANSI C63.4-2014 Conducted Emission - ICES (Interference - Causing Equipment Standards)-003: Issue 7 Class B Radiated Emission - ICES (Interference - Causing Equipment Standards)-003: Issue 7 Class B	
Surge immunity	ANSI C62.41 category B	ANSI / IEEE C62.41.2 + EN61000-4-5; Line to Neutral: Level 2; Line to Earth: Level 3
Environmental	RoHS, REACH, WEEE, TSCA, 3TG, Energy Star 2.0, DOE	ROHS Directive 2011/65/EU, U.S. Toxic Substances Control Act (TSCA), Annex III of WEEE Directive, Energy Star 2.0
Transportation	ISTA Procedure 3A, UN 38.3	ISTA Procedure 2A: 2011, UN 38.3 UN3480
Protection plan		
Equipment protection plan	\$200.000	



Technical specifications - Vertiv™ PowerUPS 100 Standby Series

Model number	PST6-500LVMT	PST6-700LVMT	PST6-900LVMT	PST6-1100LVMT
Capacity (VA / W)	500 / 305	700 / 425	900 / 550	1100 / 670
Unit dimensions, in (mm) W x D x H	6.57 x 10.40 x 3.46 (167 x 264.2 x 88)		4.72 x 8.27 x 5.51 (120 x 210 x 140)	
Unit weight, lbs. (kg)	6.61 lbs (3 kg)	9.26 lbs (4.2 kg)	9.48 lbs (4.3 kg)	9.70 lbs (4.4 kg)
Shipping dimensions, in (mm) W x D x H	10.43 x 14.45 x 7.68 (265 x 367 x 195)		11.10 x 15.47 x 7.68 (282 x 393 x 195)	
Shipping weight, lbs. (kg)	-	-	-	-
Input AC				
Nominal voltage	120VAC			
Voltage range	88 - 142 VAC			
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)			
Protection	Resettable Circuit Breaker			
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground			
Surge energy rating	500 Joules minimum			
Input cord	6ft NEMA 5-15P			
Output AC (on utility)				
Nominal voltage	88V-142 VAC			
Voltage range	195-255 VAC			
Frequency range	50/60Hz +/- 1 Hz			
Efficiency	Up to 95% @ 100% Load			
Output AC (on battery)				
Nominal voltage	120 VAC			
Voltage range	120V +/- 8% VAC			
Frequency range	50/60Hz +/- 1 Hz			
Waveform	Simulated Sinewave			
Transfer time	8ms typical, 10ms maximum			
Overload capacity	110% for 5 seconds, 120% immediate shutdown			
Protection	Electronic (over current, short circuit, over charge)			
Backup time (half load) mins	2 mins / 10 mins	2 mins 10 sec / 11 mins	1 min 40 sec / 8 mins 10 sec	1 min 10 sec / 5 mins 10 sec
Battery type	Sealed Valve Regulated Lead Acid (VRLA)			
Battery backed & surge protected outlets	4	6	6	6
Surge only outlets	2			
Environmental requirements				
Operating temperature °F (°C)	32 - 104 (0 to 40)			
Operating elevation, ft (m)	0 - 10,000 feet (0 - 3,000)			
Relative humidity	0-90% non-condensing			
Storage temperature °F (°C)	-4 to 104 (-20 to 40)			
Storage elevation, ft (m)	0 - 10,000 feet (0 - 3,000)			
Audible noise	<45dBA @ 3 ft (1m) from all sides			
Agency				
Safety	cTUVus Listed (UL 1778, 5th Edition; CSA 2.2 No.1073:2014)			
RFI / EMI	FCC Part 15 B			
Surge immunity	IEEE C62.41 category B1 (2kV)			
Environmental	Energy Star 2.0, DOE			
Transportation	ISTA Procedure 3A / 3E			
Protection plan				
Equipment protection plan	\$300,000			

Internal replacement battery kits

Replacement battery kit	Compatible UPS model
VBATKIT101	PST6-500LVMT ;
VBATKIT104	PST6-700LVMT ; PST6-900LVMT ;
VBATKIT105	PST6-1100LVMT ;





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