



Product brochure

Vertiv™ PowerUPS 200

Line Interactive Series 230V



Reliable protection. Modern design. Everyday peace of mind.

The Vertiv™ PowerUPS 200 series delivers reliable single-phase UPS protection in a modern, space-saving design, providing essential battery backup and surge protection for your electronics. Available in multiple configurations, the series offers up to eight outlets to safeguard and power several devices simultaneously, including computers, gaming consoles, workstations, retail point-of-sale (POS) equipment, wireless networks, and surveillance systems. With models featuring intuitive LED indicators or advanced LCD displays, along with IEC and Schuko outlet options, the Vertiv PowerUPS 200 Series combines functionality and ease of use to deliver dependable power protection tailored to your needs.

What's in the box :

- Vertiv PowerUPS 200 Single Phase UPS
- Quick Installation Guide
- Safety Instructions
- USB Cable, Type A to B
- Input/Output Power Cord
- 600VA/1000VA/1600VA IEC models – 1 x IEC C13 to C14 output cable
- 2200VA IEC models – 1 x IEC C19 to C20 output cable
- 600VA/1000VA/1600VA Schuko models – 1 x CEE7/7P to IEC C14 output cable
- 2200VA Schuko models – 1 x CEE7/7P to IEC C19 output cable

PowerUPS 200 Essential Line Interactive Series



- Compact mini tower design with LED runtime indicators
- Available with 4-6 battery backup and surge protected outlets
- Comes with free Vertiv Power Assist management software for graceful shutdown of your equipment during power outages.
- 2-year standard warranty with full unit coverage, including the battery

PowerUPS 200 Line Interactive Series



- Modern tower design with Colour LCD screen
- Available with 4-8 battery backup and surge protected outlets.
- Comes with free Vertiv Power Assist management software for graceful shutdown of your equipment during power outages.
- 3- year standard warranty with full unit coverage, including the battery



Vertiv PowerUPS 200 Essential Line Interactive Series highlights:



Features and benefits

Automatic voltage regulation (AVR): Stabilizes output power during fluctuations, extends battery life and provides clean power to all connected devices.

Up to 6 outlets: Available with 4 to 6 battery backup and surge protected outlets for all your critical devices.

User-replaceable batteries: Quickly and safely swap out batteries to extend UPS life.

Runtime LED indicators: 4 indicators provide a quick view of remaining battery capacity.

Dataline surge protection: Protects your equipment from power surges traveling through network cables.

Alarm management: A dedicated mute button allows you to quickly silence alarms.

2-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 200 Essential UPS.

Flexible capacity options: Choose from 600VA, 1000VA, 1600VA or 2200VA models to match the power capacity and runtime requirements of your connected devices

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.

Vertiv PowerUPS 200 Line Interactive Series highlights:



Features and benefits

Automatic voltage regulation (AVR): Stabilizes output power during fluctuations, extends battery life and provides clean power to all connected devices.

Up to 8 outlets: Available with 4 to 8 battery backup and surge protected 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.

Colour LCD screen: Full-colour screen shows battery status, load levels, alerts, and estimated runtime at a glance.

Dataline surge protection: Protects your equipment from power surges traveling through network cables.

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 200 Line Interactive 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.



Technical Specifications - PowerUPS 200 Essential Line Interactive Series

IEC models	PSA6E-600IT-IEC	PSA6E-1000IT-IEC	PSA6E-1600IT-IEC	PSA6E-2200IT-IEC
Schuko models	PSA6E-600IT-SCH	PSA6E-1000IT-SCH	PSA6E-1600IT-SCH	PSA6E-2200IT-SCH
Capacity (VA / W)	600 / 315	1000 / 525	1600 / 925	2200 / 1225
Unit dimensions, in (mm) W x D x H	4.72 x 13.98 x 7.1 (120 x 355 x 180)		5.71 x 15.75 x 7.68 (145 x 400 x 195)	
Unit weight, lbs (kg)	11.0 lbs (5.0 kg)	13.7 lbs (6.2 kg)	27.6 lbs (12.5 kg)	28.4 lbs (12.9 kg)
Shipping dimensions, in (mm) W x D x H	7.8 x 16.9 x 10.8 (197 x 430 x 275)		9.3 x 19.5 x 12.0 (235 x 495 x 305)	
Shipping weight, lbs (kg)	13.4 lbs (6.1 kg)	16.1 lbs (7.3 kg)	30.9 lbs (14.0 kg)	31.8 lbs (14.4 kg)

Input AC

Nominal voltage	220-240 VAC		
Voltage range	140-290 VAC		
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)		
Protection	Resettable Circuit Breaker		
Surge energy rating	475 Joules (Line-Neutral, Line-Ground, and Neutral-Ground)		
Input connection (IEC models)	IEC 60320 C13		IEC 60320 C20
Input connection (Schuko models)	Schuko CEE 7/7P		

Output AC (On utility)

Nominal voltage	220-240VAC			
Voltage range	195-255 VAC			
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)			
Efficiency	Up to 95% @100% Load			

Output AC (On battery)

Nominal voltage	230 VAC			
Voltage range	230 +/- 10 VAC			
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)			
Waveform	Simulated Sinewave			
Transfer time	2-6 ms, typical (10 ms max)			
Overload capacity	110% for 5 seconds, 120% immediate shutdown			
Protection	Electronic (over current, short circuit, over charge)			
Backup time (full load / half load) mins	1 min / 8 min	0.5 min / 6 min	2 min / 10 min	2 min / 9 min
Battery type	Sealed Valve Regulated Lead Acid (VRLA)			
Battery backup & surge protected outlets (IEC models)	4 (IEC)		6 (IEC)	
Battery backup & surge protected outlets (Schuko models)	4 (Schuko)		5 (Schuko)	

Environmental requirements

Operating temperature °F (°C)	32 - 104 (0 - 40)			
Operating elevation, feet (meter)	0 - 10,000 feet (0 - 3,000)			
Relative humidity	0-95% 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	CB, CE, EN/IEC 62040-1, UKCA, RCM, EAC			
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-3-2, EN 61000-3-3, CAT: C1			
Surge immunity	IEC 61000-4-5			
Environmental	ROHS, REACH, WEEE			
Transportation	ISTA Procedure 3A			

Technical Specifications - PowerUPS 200 Line Interactive Series

IEC Models	PSA6-1000IT-IEC	PSA6-1600IT-IEC
Schuko Models	PSA6-1000IT-SCH	PSA6-1600IT-SCH
Capacity (VA / W)	1000 / 625	1600 / 1000
Unit Dimensions, in (mm) W x D x H	4.72 x 16.93 x 11.42 (120 x 430 x 290)	
Unit Weight, lbs (kg)	21.6 lbs (9.8 kg)	26.01 lbs (11.8 kg)
Shipping Dimensions, in (mm) W x D x H	8.46 x 20.07 x 14.57 (215 x 510 x 370)	
Shipping Weight, lbs (kg)	26.5 lbs (12.0 kg)	30.9 lbs (14.0 kg)
Input AC		
Nominal Voltage	220-240 VAC	
Voltage Range	140-290 VAC	
Frequency Range	50/60Hz +/- 1 Hz (auto-sensing)	
Protection	Resettable Circuit Breaker	
Surge Protection	Line-Neutral, Line-Ground, and Neutral-Ground	
Surge Energy Rating	600 Joules	
Input Cord	1.8m (6 ft.) removeable IEC C14	
Output AC (On Utility)		
Nominal Voltage	220-240 VAC	
Voltage Range	195-255 VAC	
Frequency Range	50/60Hz +/- 1 Hz (auto-sensing)	
Efficiency	Up to 95% @100% Load	
Output AC (On Battery)		
Nominal Voltage	230 VAC	
Voltage Range	230 +/- 10 VAC	
Frequency Range	50/60Hz +/- 1 Hz (auto-sensing)	
Waveform	Simulated Sinewave	
Transfer time	2-6 ms, typical (10 ms max)	
Overload Capacity	110% for 5 seconds, 120% immediate shutdown	
Protection	Electronic (over current, short circuit, over charge)	
Backup Time (Full Load / Half Load) mins	2 min / 11 min	2 min / 10 min
Battery Type	Sealed Valve Regulated Lead Acid (VRLA)	
Battery Backup & surge protected outlets		
IEC Models	6 (IEC)	6 (IEC)
Schuko Models	4 (Schuko)	6 (Schuko)
Surge only outlets		
IEC Models	0	2
Schuko Models	0	0
Enviormental Requirements		
Operating Temperature °F (°C)	32 - 104 (0 to 40)	
Operating Elevation, feet (meter)	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	<40dBA @ 3 ft (1m) from all sides	<45dBA @ 3 ft (1m) from all sides
Agency		
Safety	CB, CE, EN/IEC 62040-1, UKCA, RCM, EAC	
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-3-2, EN 61000-3-3, CAT: C1	
Surge Immunity	IEC 61000-4-5	
Environmental	ROHS, REACH, WEEE	
Transportation	ISTA Procedure 3A	



Vertiv PowerUPS 200 runtime tables

PowerUPS 200 Essential Line Interactive Series

Load %	VA	W	PSA6E-600IT-IEC & PSA6E-600IT-SCH
10	60	32	32
20	120	63	25
30	180	95	16
40	240	126	9.8
50	300	158	9
60	360	189	6
70	420	221	4
80	480	252	1.5
90	540	284	1
100	600	315	1

Load %	VA	W	PSA6E-1000IT-IEC & PSA6E-1000IT-SCH
10	100	53	52
20	200	105	26
30	300	158	15
40	400	210	10
50	500	263	9
60	600	315	3
70	700	368	2
80	800	420	1
90	900	473	0.6
100	1000	525	0.6

Load %	VA	W	PSA6E-1600IT-IEC & PSA6E-1600IT-SCH
10	160	93	80
20	320	185	41
30	480	278	25
40	640	370	17
50	800	463	12
60	960	555	10
70	1120	648	6
80	1280	740	5
90	1440	833	3
100	1600	925	3

Load %	VA	W	PSA6E-2200IT-IEC & PSA6E-2200IT-SCH
10	220	123	63
20	440	245	30
30	660	368	18
40	880	490	12
50	1100	613	9.4
60	1320	735	5
70	1540	858	3
80	1760	980	2
90	1980	1103	2
100	2200	1225	2

PowerUPS 200 Line Interactive Series

Load %	VA	W	PSA6E-1000IT-IEC & PSA6E-1000IT-SCH
10	100	63	82
20	200	125	39
30	300	188	20
40	400	250	14
50	500	313	9
60	600	375	7
70	700	438	5
80	800	500	3
90	900	563	2.6
100	1000	625	2.3

Load %	VA	W	PSA6E-1600IT-IEC & PSA6E-1600IT-SCH
10	160	100	85
20	320	200	38
30	480	300	23
40	640	400	16
50	800	500	9.8
60	960	600	8
70	1120	700	4.3
80	1280	800	3
90	1440	900	2.6
100	1600	1000	2.3

Internal Battery Replacement Kits

UPS Model	Battery Replacement Kit
PSA6E-600IT-IEC	VBATKIT201
PSA6E-1000IT-IEC	VBATKIT203
PSA6E-1600IT-IEC	VBATKIT204
PSA6E-2200IT-IEC	VBATKIT205
PSA6E-600IT-SCH	VBATKIT201
PSA6E-1000IT-SCH	VBATKIT203
PSA6E-1600IT-SCH	VBATKIT204
PSA6E-2200IT-SCH	VBATKIT205
PSA6-1000IT-IEC	VBATKIT202
PSA6-1600IT-IEC	VBATKIT204
PSA6-1000IT-SCH	VBATKIT202
PSA6-1600IT-SCH	VBATKIT204

