

On-Line UPS Vanguard II Rack & Tower



FEATURES

The Powercom VRT Series UPS, a versatile power solution known for its 0.9 Power Factor, On-Line Double Conversion technology, and advanced features. With a focus on power efficiency, this UPS provides excellent real power ratio, ensuring higher power density and improved space design. Featuring a multi-language LCD, UPSMON PRO support, and compatibility with generators, the VRT Series offers comprehensive power protection for diverse environments.

Main Features

- **Power Efficiency 0.9 Power Factor:** The VRT series offers a 0.9 Power Factor, delivering excellent real power ratio for higher power density and improved space design.
- **On-Line Double Conversion Technology:** High-frequency, double-conversion technology ensures a true sine wave output, providing filtered and reliable power support for critical equipment.
- **Fan Speed Regulation:** Automatic adjustment based on load variances optimises temperature control and reduces noise, enhancing user experience.
- **Advanced Battery Management System:** The system ensures precise charging based on battery condition and temperature, extending battery life and maintaining optimal performance.
- **Manual Control Friendly Multi-Language LCD:** The international language LCD supports English, Japanese, French, German, Italian, and more, making the UPS accessible to a diverse user base.
- **UPS Monitoring Support:** Utilise UPSMON PRO software and app for comprehensive monitoring features, including status displays, scheduled events, and setting adjustments accessible through computers and mobile devices.
- **Emergency Power Off (EPO):** In critical times, EPO enables an imminent shutdown, enhancing safety.
- **DC Cold Start Function:** UPS operation is available without the main power source, catering to user needs.
- **Compatibility: Rack & Tower Design:** Highly compatible with commercial and data centre server racks, with individual tower stands available for added versatility.
- **Selectable Output Voltage:** User-adjustable voltage output provides flexibility to meet various critical equipment needs.
- **Frequency Stabilising Feature:** Free Run Mode ensures consistent 50/60Hz output with wide frequency range acceptance.
- **Monitoring Connectivity:** USB, RS232, and SNMP ports offer both cable and online connections for your monitoring system.
- **Generator Compatible:** The Generator Mode feature controls highly unstable input to provide clean power support during generator operation.
- **Easy Battery Expansion:** External battery expansion can further extend battery support duration for demanding requirements.

To view Access' extensive ranges go to: www.accesscomms.com.au

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MODEL	DIMENSIONS	WEIGHT	SHIP DIMENSIONS	SHIP WEIGHT
VRT-1000	428 x 425 x 84mm	16.3kg	546 x 552 x 206mm	19.4kg
VRT-1500	428 x 500 x 84mm	17.9kg	550 x 620 x 220mm	21kg
VRT-2000	428 x 635 x 84mm	29.8kg	550 x 750 x 220mm	33.9kg
VRT-2000 (2U+2U)	428 x 425 x 84mm	10.1kg	546 x 552 x 206mm	13.2kg
VRT-3000	428 x 635 x 84mm	32.6kg	550 x 750 x 220mm	36.5kg
VRT-3000 (2U+2U)	428 x 425 x 84mm	10.1kg	546 x 552 x 206mm	13.2kg
VRT-6000	428 x 597 x 130mm	20kg	560 x 740 x 273mm	24kg
VRT-10000	428 x 657 x 130mm	25kg	565 x 805 x 208mm	31.2kg

SPECIFICATIONS

	VRT-1000	VRT-1500	VRT-2000 (2U+2U)	VRT-3000 (2U+2U)	VRT-6000	VRT-10K
Configuration						
Capacity (VA)	1000VA	1500VA	2000VA	3000VA	6000VA	10KVA
Capacity (Watts)	900W	1350W	1800W	2700W	5400W	9000W
Form	Rack and Tower type					
Phase	Single Phase					
Energy Saving	Yes - ECO mode efficiency >94%					
Input						
Voltage	100/110/115/120/127 or 208/220/230/240 VAC				208/220/230/240 VAC	
Input voltage range (110 VAC)	60-144 VAC < 25% Load 70-144 VAC < 50% Load 80-144 VAC < 75% Load 90-144 VAC < 100% Load				120-276 VAC < 25% Load 140-276 VAC < 50% Load 160-276 VAC < 75% Load 180-276 VAC < 100% Load	
Input voltage range (220 VAC)	120-276 VAC < 25% Load 140-276 VAC < 50% Load 160-276 VAC < 75% Load 180-276 VAC < 100% Load					
Input frequency range	50 / 60 Hz (Auto sensing)					
Input power factor	> 0.97					
Cold start	Yes					
Output						
Rated power factor	0.9					
Waveform	Pure sine wave					
Voltage	100/110//115/120/127 VAC or 208*/220/230/240 VAC ± 2%				208*/220/230/240 VAC ± 2%	
Frequency	50 / 60 Hz ± 0.25 Hz					
Transfer time	0ms					
Harmonic distortion	≤ 2.5% THD at Linear load				≤ 3% THD at Linear load	

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SPECIFICATIONS

Crest factor	3:1					
EPO function	Yes					
Protection						
Overload - Line Mode	105% - 120% for 30 seconds 121% - 150% for 10 seconds					
Overload - Battery Mode	101% - 109% for 10 seconds 110% - 120% for 3 seconds					
Surge protection	IEC 61000-4-5 Level 3					
Bypass	Internal bypass (automatic and manual)					
Short circuit protection	UPS output cut off immediately					
Battery						
Type	12V 7Ah	12V 7Ah	12V 7Ah	12V 9Ah 12V 7Ah	12V 7Ah	12V 9Ah
Quantity	3	4	6	6 8	20	20
Sealed Maintenance Free	Yes					
Typical Recharge Time	4 hour to 90%					
External battery module	Option					
External battery connector	Option					
Management & Communication						
Indicator	LCD control panel					
Communication port	RS 232 USB B Type					
SNMP slot	Option				Standard	
Audible alarms	Yes					
Physical - Power Module						
Dimensions	428 x 425 x 84mm	428 x 500 x 84mm	428 x 635 x 84mm 428 x 425 x 84mm		428x 597 x 130 (3U)	428 x 657 x 130mm
Weight	16.3kg	17.9kg	29.8kg 10.1kg	32.6kg 10.1kg	20kg	25kg
Shipping dimensions	546 x 552 x 206mm	550 x 620 x 220mm	550 x 750 x 220mm 546 x 552 x 206mm		560 x 740 x 273mm	565 x 805 x 208mm
Shipping weight	19.4kg	21kg	33.9kg	13.2kg	24kg	31.2kg
Physical - Battery Module						
Dimensions	-	-	- 428 x 425 x 84mm		428 x 597 x 130mm (3U)	428 x 657 x 130mm
Weight	-	-	19.8kg	24.2kg	66kg	68kg
Shipping dimensions	-	-	- 428 x 425 x 84mm		560 x 740 x 375mm	590 x 830 x 370mm
Shipping weight	-	-	21.8kg	26.2kg	75.5kg	83kg

* While 110/0208V output, capacity will be derated to 90%.

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.

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