

Vanguard II Rack & Tower

Next-generation solution for IT integration



VRT-6K/10K

VRT-1000/1500/2000/3000

Main Feature

Power Efficiency

0.9 Power Factor

Excellent real power ratio satisfies higher power density and better space design.

On-Line Double Conversion Technology

High-frequency, double-conversion technology with true sine wave output ensures filtered and reliable power support.

Fan Speed Regulation

Automatic adjustment based on load variances gives optimal temperature control with lower noise.

Advanced Battery Management System*

Precise charging base on battery condition and temperature; Ensure extensive battery life and optimal condition.

Manual Control Friendly

Multi-Language LCD

International language LCD supports English, Japanese, French, German, Italian, and more.

UPSMON PRO software & App Support

Comprehensive monitoring features like status display, scheduled event, and setting adjustment available through computer and mobile device.

EPO

Emergency Power Off enables imminent shutdown during critical times.

DC Cold Start Function

UPS operation available without the main power base on user needs.

Compatibility

Rack & Tower Design

Highly compatible with commercial and data center server rack. The individual tower stands are also available.

Selectable Output Voltage

User-adjustable voltage output offers flexibility to various critical equipment needs.

Frequency Stabilizing Feature

Free Run Mode allows consistent 50/60Hz output with wide frequency range acceptance.

Monitoring Connectivity

USB, RS232, and SNMP port provide cable and online connection from your monitoring system.

Generator Compatible

Generator Mode feature controls highly unstable input to clean power support.

Easy Battery Expansion

External battery expansion can further extend battery support duration for extensive demand.

***Only available on 1-3KVA model**



Download Link



UPSMON for portable Device

A screenshot of the UPSMON PRO software interface. It shows a sidebar with navigation options like Monitor System, Configuration, and Help and Support. The main area displays real-time data for Power Status, Battery Capacity, and Load Level. The Power Status section includes input/output voltage, frequency, and battery status. The Battery Capacity section shows battery level, estimated backup time, and UPS status. The Load Level section shows UPS load and temperature. At the bottom, a status bar indicates 'The UPS is working normally'.

UPSMON PRO Interface

Specification

Model		VRT-1000	VRT-1500	VRT-2000	VRT-3000	VRT-2000 (2U+2U)	VRT-3000 (2U+2U)	VRT-6000	VRT-10K
Configuration									
Capacity (VA)		1000 VA	1500 VA	2000 VA	3000 VA	2000 VA	3000 VA	6000 VA	10000 VA
Capacity (Watts)		900 W	1350 W	1800 W	2700 W	1800W	2700W	5400 W	9000 W
Form		Rack and Tower Type							
Phase		Single Phase							
Energy Saving		Yes - ECO Mode Efficiency >94%							
Input									
Voltage		100 / 110 / 115 / 120 / 127 Vac or 208 / 220 / 230 / 240 VAC						208 / 220 / 230 / 240 VAC	
Input Voltage Range (110 VAC)		60 - 144 VAC < 25% Load 70 - 144VAC < 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		0 ms							
Harmonic Distortion		≤ 2.5% THD at Linear Load						≤ 3% THD at Linear Load	
Crest Factor		3 : 1							
EPO Function		Yes							
Protection									
Overload	Line Mode	105% - 120% for 30 seconds 121% - 150% for 10 seconds							
	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 7Ah	12V 9Ah
Quantity		3	4	6	6	6	8	20	20
Sealed, Maintenance Free		Yes							
Typical Recharge Time		4 hr 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							
Audible Alarms		Yes							
Physical									
Power Module	Dimensions(WxDxH)(mm)	428 x 425 x 84	428 x 500 x 84	428 x 635 x 84		428 x 425 x 84		428 x 597 x 130 (3U)	428 x 657 x 130
	Weight (kgs)	16.3	17.9	29.8	32.6	10.1		20	25
	Shipping Dimensions(mm)	546 x 552 x 206	550 x 620 x 220	550 x 750 x 220		546 x 552 x 206		560 x 740 x 273	565 x 805 x 208
	Shipping Weight (kgs)	19.4	21	33.9	36.5	13.2		24	31.2
Battery Module	Dimensions(WxDxH)(mm)	--	--	--		428 x 425 x 84		428 x 597 x 130 (3U)	428 x 657 x 130
	Weight (kgs)	--	--	--		19.8	24.2	66	68
	Shipping Dimensions(mm)	--	--	--		546 x 552 x 206		560 x 740 x 375	590 x 830 x 370
	Shipping Weight (kgs)	--	--	--		21.8	26.2	75.5	83

* While 110/208V 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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