

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 Topology

High-frequency, double-conversion topology 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. Damage control achievable through minimum procedures.

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.

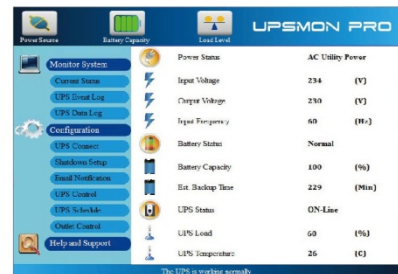
*Only available on 1-3KVA model



Download Link



UPSMON for portable Device



UPSMON Interface

On-Line UPS

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
Battery Module	Shipping Weight (kgs)	19.4	21	33.9	36.5	13.2		24	31.2
	Dimensions(WxDxH)(mm)	--	--	--		428 x 425 x 84		428 x 597 x 130 (3U)	428 x 657 x 130
	Weight (kgs)	--	--	--		21	24.2	66	68
Shipping Weight (kgs)	Shipping Dimensions(mm)	--	--	--		546 x 552 x 206		560 x 740 x 375	590 x 830 x 370
	Shipping Weight (kgs)	--	--	--		23	26.2	75.5	83

* While 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.