

Vanguard II Rack & Tower Long back-up model (VRTL)

Extensive critical support for your server and data center



VRT-1000/1500/2000/3000-L



VRT-6K/10K-L

Main Feature

Power Efficiency

0.9 Power Factor

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

On-Line Double Conversion Topology

High-frequency, double-conversion topology provides quality power with real sine wave output.

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 enables extended battery life and efficiency.

Manual Control Friendly

Multi-Language LCD

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

UPSMON Pro Software & App Support

Access advance features like status display, scheduled event, and setting adjustment through computer and mobile devices.

EPO

Emergency Power Off enables imminent shutdown during critical times. Achieve Damage control with 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. Tower stands are also available.

Specialized Battery Expansion Model

Support multiple battery connections, suitable for large battery reserve and long back-up demand.

Selectable Output Voltage

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

Frequency Stabilizing Feature

Maintain 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

The Generator mode can transform highly unstable input to reliable power.

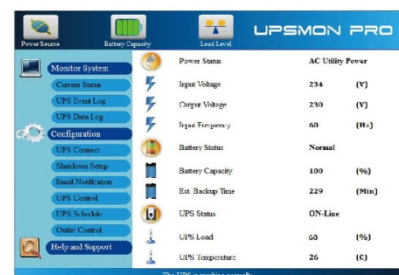
***Only available on 1-3KVA model**



Download Link



UPSMON for portable Device



UPSMON Interface

On-Line UPS

Specification

Model	VRT-1000-L	VRT-1500-L	VRT-2000-L	VRT-3000-L	VRT-6000-L	VRT-10K-L	
Configuration							
Capacity (VA)	1000 VA	1500 VA	2000 VA	3000 VA	6000 VA	10000 VA	
Capacity (Watts)	900 W	1350 W	1800 W	2700 W	5400 W	9000 W	
Form	Rackmount						
Phase	Single Phase						
Energy Saving	Yes - ECO Mode Efficiency >94%						
Input							
Voltage	220 / 230 / 240 Vac						
Input Voltage Range (110 Vac)	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)							
Input Frequency Range	50 / 60 Hz ± 2.5 auto sensing (45Hz to 65Hz user selectable)						
Input Power Factor	>0.97						
Cold Start	Yes						
Output							
Rated Power Factor	0.9						
Waveform	Pure Sine Wave						
Voltage	220 / 230 / 240 Vac ± 2% (selectable output voltage)						
Frequency	50 / 60 Hz ±0.25 Hz						
Transfer Time	0 ms						
Harmonic Distortion	< 5% of THD at non-linear load < 2.5% of THD at linear load				< 5% of THD at non-linear load < 3% of THD at linear		
Crest Factor	3 : 1						
EPO Function	Yes						
Protection							
Overload	Line Mode	106% - 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 or protected by input fuse or circuit breaker						
Overload Protection	UPS automatic power off if overload exceeds 106 ~ 120% of nominal at 30 seconds; 121 ~ 150% for 10 seconds						
Tele-Communication	RJ45 x 2						
Alarm	Buzzer beeps under backup mode, battery low, battery charging fault, and overload						
Charger							
UPS	1A						
UPS Build In	5A				--		
Charger Box In	--				8A		
Total	6A				9A		
Battery							
Voltage (Recommended)	36V	48V	72V		240V		
Management & Communication							
Indicator	LED & LCD Control Panel						
Communication Port	RS 232, USB B type						
SNMP Slot	Option						
Audible Alarms	Yes						
Physical							
UPS	Dimensions(WxDxH)(mm)	428 x 425 x 84	428 x 500 x 84	428 x 635 x 84		428 x 597 x 130	428 x 635 x 130
	Weight (kgs)	8.2	11	14.4	14.6	20	25
	Shipping Dimensions(mm)	546 x 552 x 206	550 x 620 x 220	550 x 750 x 220		560 x 740 x 273	565 x 805 x 208
	Shipping Weight (kgs)	11.5	14.6	18.5	18.7	24	29
Charger Box	Dimensions(WxDxH)(mm)	--	--	--		428 x 597 x 130	
	Weight (kgs)	--	--	--		9	
	Shipping Dimensions(mm)	--	--	--		560 x 740 x 273	
	Shipping Weight (kgs)	--	--	--		13	

* 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.