

Vanguard Rack & Tower

First-line guardian for server integration



VRM-700-1K(1U)



VRM-700-3K(2U)

Main Feature

Power Efficiency

On-Line Double Conversion Topology

High-frequency, double-conversion topology with real sinewave output ensures filtered and reliable power support.

High-Efficiency Mode

The Energy-Saving feature reduces unnecessary power consumption by 94%+ operating efficiency,

Advanced Battery Management System*

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

Controllable Load Segment Receptacle*

Smart power control can prioritize power distribution during regular operation and emergency.

Compatibility

Rack & Tower Design

Highly compatible with commercial and data center server rack. Tower stands are also available.

Various Rack Model Available

From a 1U model to the 3U+3U model, VRM offers flexible choices in all kinds of standard rack space.

Frequency Stabilizing Feature

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

Generator Compatible

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

Easy Battery Expansion

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

Manual Control Friendly

Battery Remaining Time Display

Enhance contingency planning with critical information support.

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.

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



Download Link



UPSMON for portable Device

UPSMON PRO	
Monitor System	Power Status
Current Status	Input Voltage
UPS Error Log	Output Voltage
UPS Data Log	Input Frequency
Configuration	Battery Status
UPS Connect	Battery Capacity
Shutdown Setup	Est. Backup Time
Event Notification	UPS Status
UPS Control	UPS Load
UPS Schedule	UPS Temperature
Order Control	
Help and Support	

UPSMON Interface

Specification

Model		VGD-700 RM		VGD-1000 RM		VGD-1500 RM		VGD-2000 RM		VGD-3000 RM	
Configuration											
Capacity (VA)		700 VA		1000 VA		1500 VA		2000 VA		3000 VA	
Capacity (Watts)		490 W		700 W		1050 W		1400 W		2100 W	
Form		Rack 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									
Input Voltage Range (110 Vac)		60 - 144 VAC, < 40% Load 70 - 144 VAC, < 70% Load 80 - 144 VAC, < 100% Load									
Input Voltage Range (220 Vac)		120 - 276 VAC < 40% Load 140 - 276 VAC < 70 % Load 160 - 276 VAC < 100% Load									
Input Frequency Range		50 / 60 Hz (Auto Sensing)									
Input Power Factor		>0.97									
Cold Start		Yes									
Output											
Rated Power Factor		0.7									
Waveform		Pure Sine Wave									
Voltage		208* / 220 / 230 / 240 Vac ± 2%									
Frequency		50 / 60 Hz ±0.25 Hz									
Transfer Time		0 ms									
Harmonic Distortion		≤ 3% THD at Linear Load									
Crest Factor		3 : 1									
EPO Function		Yes									
Protection											
Overload	Line Mode	110% - 125% for 60 seconds : 125% - 150% for 10 seconds									
	Battery Mode	> 110% for 10 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 9Ah		12V 7Ah		12V 9Ah	
Quantity		2		3		3		6		6	
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 card (Option)									
SNMP Slot		Option									
Audible Alarms		Yes									
Physical											
Power Module	Dimensions (WxDxH) (mm)	428 x 525 x 44 (1U)	428 x 425 x 84 (2U)	428 x 525 x 44 (1U)	428 x 425 x 84 (2U)	428 x 425 x 84 (2U)	428 x 635 x 84 (2U)				
	Weight (kgs)	15.5	14.6	15.5	17.7	19.1	31.7	31.7			
	Shipping Dimensions (mm)	547 x 645 x 168	546 x 522 x 206	547 x 645 x 168	546 x 552 x 206	546 x 552 x 206	550 x 750 x 220				
	Shipping Weight (kgs)	17.5	16.4	17.5	19.9	21.3	34.7	34.7			
Battery Module	Dimensions (WxDxH) (mm)	-	546 x 552 x 206 (2U)	-	546 x 552 x 206 (2U)	546 x 552 x 206 (2U)	428 x 425 x 84 (2U)				
	Weight (kgs)	-	16.3	-	16.3	16.3	43.5				

* 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.