

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 Technology

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

High-Efficiency Mode

The Energy-Saving feature reduces unnecessary power consumption by 94%.

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.

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.

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.

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



Download Link



UPSMON for portable Device

UPSMON PRO			
Power Source	Battery Capacity	Load Level	
Monitor System	Current Status	Input Voltage	234 (V)
	UPS Event Log	Output Voltage	230 (V)
	UPS Data Log	Input Frequency	60 (Hz)
	Configuration	Battery Status	Normal
Configuration	UPS Connect	Battery Capacity	100 (%)
	Shutdown Setup	Est. Backup Time	229 (Min)
	Email Notification	UPS Status	ON-Line
	UPS Control	UPS Load	60 (%)
Status Control	UPS Schedule	UPS Temperature	26 (°C)
	Help and Support		

UPSMON PRO 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	100 / 110 / 115 / 120 / 127 Vac or 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	-							
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 552 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)	-	428 x 425 x 84 (2U)	-	428 x 425 x 84 (2U)	428 x 425 x 84 (2U)	428 x 635 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.