

Vanguard Rack & Tower

First-line guardian for server integration



VRM-4K-5K(3U)



VRM-6K-12K(3U+3U)

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-4000 RM	VGD-5000 RM	VGD-6K RM	VGD-8K RM	VGD-10K RM	VGD-12K RM
Configuration						
Capacity (VA)	4000 VA	5000 VA	6000 VA	8000 VA	10 KVA	12 KVA
Capacity (Watts)	2800 W	3500 W	4200 W	5600 W	7000 W	8400 W
Form	Rack Type					
Phase	Single Phase					
Energy Saving	Yes - ECO Mode Efficiency >94%					
Input						
Voltage	208 / 220 / 230 / 240 Vac					
Input Voltage Range	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	0.7					
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 5Ah	12V 5Ah	12V 7Ah	12V 7Ah	12V 9Ah	12V 9Ah
Quantity	10	10	20	20	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 card (Option)				
SNMP Slot		Option				
Audible Alarms		Yes				
Physical						
Power Module	Dimensions (WxDxH) (mm)	428 x 657 x 130 (3U)		428 x 597 x 130 (3U)	428 x 657 x 130 (3U)	
	Weight (kgs)	40		20	24.3	
	Shipping Dimensions (mm)	590 x 830 x 370 (3U)		560 x 740 x 273 (3U)	565 x 805 x 280	
	Shipping Weight (kgs)	54		24	30.5	
Battery Module	Dimensions (WxDxH) (mm)	--		428 x 597 x 130 (3U)	428 x 657 x 130 (3U)	
	Weight (kgs)	--		66	68	

* 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.