

VANGUARD

The vanguard of your power protection



VGD-700-5000

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

Versatile Capacity Available

From 700VA to 20KVA, VGD offers massive capacity selections for your various 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 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 Interface

On-Line UPS

Specification

Model	VGD-700	VGD-1000	VGD-1500	VGD-2000	VGD-3000	VGD-4000	VGD-5000
Configuration							
Capacity (VA)	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	4000 VA	5000 VA
Capacity (Watts)	490 W	700 W	1050 W	1400 W	2100 W	2800 W	3500 W
Form	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 < 40% Load 70 - 144 VAC < 70% Load 80 - 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 < 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%					208* / 220 / 230 / 240 Vac ± 2%	
Frequency	50 / 60 Hz ±0.25Hz						
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	12V 7Ah	12V 9Ah
Quantity	2	3	3	6	6	10	10
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)						
Audible Alarms	Yes						
SNMP Slot	Option						
Physical							
Dimensions (WxDxH) (mm)	152 x 420 x 237			225 x 420 x 360		258 x 537 x 440	
Weight (kgs)	15.3	16	17.7	30.6	33.5	50	
Shipping Dimensions (mm)	280 x 545 x 355			340 x 526 x 485		406 x 682 x 525	
Shipping Weight (kgs)	17.5	17.4	19.5	33.2	35.9	53	

* 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.

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

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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 Interface

On-Line UPS

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	546 x 552 x 206	550 x 750 x 220
Battery Module	Shipping Weight (kgs)	17.5	16.4	17.5	19.9	21.3	34.7	34.7
	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%.

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