

VANGUARD II

The guardian of IT industry and server



VGS-1000/1500/2000/3000

VGS-6K/10K

Main Feature

Power Efficiency

0.9 Power Factor

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

On-Line Double Conversion Technology

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

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; Ensure extensive battery life and optimal condition.

Controllable Load Segment Receptacle*

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

Manual Control Friendly

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.

DC Cold Start Function

UPS operation available without the main power base on user needs.

Compatibility

Selectable Output Voltage

User-adjustable voltage output offers flexibility to various critical equipment 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 input 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

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

The UPS is working normally.

UPSMON PRO Interface

Specification

Model	VGS-1000	VGS-1500	VGS-2000	VGS-3000	VGS-6000	VGS-10K
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	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, < 25% Load 70 - 144 VAC, < 50% Load 80 - 144 VAC, < 75% Load 90 - 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, < 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	0.9					
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 ±0.25 Hz					
Transfer Time	0 ms					
Harmonic Distortion	≤ 2.5% THD at Linear Load				≤ 3% THD at Linear Load	
Crest Factor	3 : 1					
EPO Function	Yes					
Protection						
Overload	Line Mode	105% - 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					
Battery						
Type	12V 7Ah	12V 7Ah	12V 7Ah	12V 7Ah	12V 7Ah	12V 9Ah
Quantity	3	4	6	8	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 Slot	Option					
Audible Alarms	Yes					
Physical						
Dimensions (WxDxH) (mm)	152 x 420 x 237	152 x 500 x 241	225 x 420 x 358		257 x 590 x 570	257 x 650 x 585
Weight (kgs)	15.2	19.4	28.8	30	86	96.5
Shipping Dimensions (mm)	280 x 545 x 355	280 x 625 x 356	340 x 526 x 485		415 x 760 x 800	405 x 860 x 800
Shipping Weight (kgs)	17.4	21.3	31.6	32.9	106	112

* While 110/0208V 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.

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