

VANGUARD II

The guardian of IT industry and server



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.

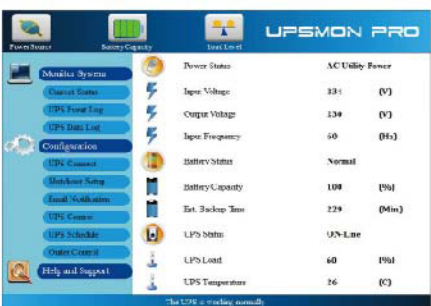
*Only available on 1-3KVA model



Download Link



UPSMON for portable Device



UPSMON PRO Interface



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On-Line UPS

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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