

# 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

Power Source		Battery Capacity		Load Level	
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 Setup		Est. Backup Time		229 (Min)	
Email Notification		UPS Status		ON-Line	
UPS Control		UPS Load		60 (%)	
UPS Schedule		UPS Temperature		26 (C)	
Outlet Control					
Help and Support					

UPSMON PRO Interface

## 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.