

VANGUARD

The vanguard of your power protection



VGD-6000-20K

Main Feature

Power Efficiency

On-Line Double Conversion topology

High-frequency, double-conversion topology with real sine wave 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

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.

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		
Power Status	Input Voltage	234 (V)
Monitor System	Output Voltage	230 (V)
Current Status	Input Frequency	60 (Hz)
UPS Event Log	Battery Status	Normal
UPS Data Log	Battery Capacity	100 (%)
Configuration	Est. Backup Time	229 (Min)
UPS Settings	UPS Status	ON-Line
Shutdown Delay	UPS Load	60 (%)
Load Notification	UPS Temperature	26 (C)
UPS Control		
UPS Schedule		
Output Control		
Help and Support		

UPSMON Interface

Specification

Model	VGD-6000	VGD-8000	VGD-10 K	VGD-12K	VGD-15K	VGD-20K
Configuration						
Capacity (VA)	6000 VA	8000 VA	10 KVA	12000 VA	15000 VA	20000 VA
Capacity (Watts)	4200 W	5600 W	7000 W	8400 W	10500 W	14000 W
Form	Tower 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 ±0.5 %					
Transfer Time	0 ms					
Harmonic Distortion	≤ 3% THD at Linear Load				≤ 5% 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 7Ah	12V 9Ah
Quantity	20	20	20	20 x 2 set	20 x 2 set	20 x 2 set
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)	257 x 590 x 570	257 x 690 x 715		342 x 690 x 905	342 x 757 x 905	
Weight (kgs)	86	112		190	207	
Shipping Dimensions (mm)	415 x 760 x 800	415 x 860 x 930		500 x 860 x 972	500 x 930 x 1135	
Shipping Weight (kgs)	106	139		210.7	225	

* 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.