

VGD-31

Vanguard's high-quality protection modify to 3-phase input single-phase output.



VGD-8000-20K 31

Main Feature

Power efficiency

On-Line Double Conversion technology

High-frequency, double-conversion technology with true sine wave output ensures secure and fix power output to critical device.

High-efficiency mode

Advanced energy-saving features provide 94%+ efficiency in selectable High-Efficiency Mode, prevent unnecessary power consumption.

Fan speed automatic adjustment

The intelligent fan system automatically adjusts fan speed base on load; Maintains optimal temperature control and noise emission.

Manual Control Friendly

Multi-Language LCD display

LCD provides multiple language displays such as English, Japanese, French, German, Italian and more. Enable international application without language barriers.

UPSMON PRO software and app support

UPSMON PRO monitoring system & app allows comprehensive monitoring such as status display, scheduled event, and setting adjustment available through computer and mobile device.

Compatibility

3-Phase input single-phase output

Industrial power-friendly design, enable single-phase equipment protection in 3-phase industrial power.

Generator compatible

VGD-31 Generator Mode can withstand extremely unstable power; Achieves consistency regardless of power condition.

Frequency stabilizing feature

Free Run mode provides wide power frequency acceptance; Automatically regulates various output to 50/60Hz.

Hot-swappable battery

Hot-swappable battery-system design allows simple maintenance and replacement while retaining continuous power protection.



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 Setup	Est. Backup Time	229 (Min)	
Email Notification	UPS Status	ON-Line	
UPS Control	UPS Load	60 (%)	
UPS Schedule	UPS Temperature	26 (C)	
Help and Support	The UPS is working normally		

UPSMON PRO Interface

Specification

Model	VGD-8000 31	VGD-10K 31	VGD-12K 31	VGD-15K 31	VGD-20K 31
Configuration					
Capacity (VA)	8000 VA	10 KVA	12 KVA	15 KVA	20 KVA
Capacity (Watts)	5600 W	7000 W	8400 W	10500 W	14 KW
Form	Tower Type				
Phase	Input: Three Phase , Output: Single Phase				
Energy Saving	Yes - ECO Mode Efficiency >94%				
Input					
Voltage	208/360VAC, 220/380VAC, 230/400VAC, 240/415 VAC (3Ø 5W)				
Input Voltage Range	208 - 478 VAC < 25% Load 243 - 478 VAC < 50 % Load 277 - 478 VAC < 75% Load 312 - 478 VAC < 100% Load				
Input Frequency Range	50 / 60 Hz (Auto Sensing)				
Input Power Factor	> 0.9				
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 9Ah	12V 7Ah	12V 9Ah	
Quantity	20	20	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				
Audible Alarms	Yes				
SNMP Slot	Option				
Physical					
Dimensions (WxDxH) (mm)	257 x 690 x 715		342 x 690 x 905	342 x 760 x 905	
Weight (kgs)	112		190	207	
Shipping Dimensions (mm)	415 x 860 x 930		512 x 873 x 1135	500 x 930 x 1135	
Shipping Weight (kgs)	139		210.7	225	
Dimensions (WxDxH) (mm) W/ISO TX	342 x 690 x 715		342 x 690 x 905	342 x 760 x 905	
Weight (kgs) W/ISO TX	178		243	273.5	
Shipping Dimensions (mm) W/ISO TX	500 x 860 x 930		512 x 873 x 1135	500 x 930 x 1135	
Shipping Weight (kgs) W/ISO TX	210		263.7	295.7	

* 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.

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