

VANGUARD Series

Reliable Vanguard carry on the duty for server and data center.

- On-Line UPS Design
- Pure Sinewave Output
- High Efficiency Mode
- Free-Run Mode
- Hot Swappable Battery Replacement
- Simple and Clear LCD Indicator
- Overload, Surge, Short Circuit Protection
- Design for Advance Missional Electronic Device



VGD-6000-20K

Specifications

Model	VGD-6000	VGD-8000	VGD-10K	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					
Audible Alarms	Yes					
SNMP Slot	Option					
Physical						
Dimensions (WxDxH)(mm)	257 x 590 x 570	257 x 690 x 715		342 x 687 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, actual information should be based on real product.