

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-700-5000

Specifications

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	
Input Voltage Range (220 Vac)	120 - 276 VAC < 40% Load 140 - 276 VAC < 70 % Load 160 - 276 VAC < 100% 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	100 / 110 / 115 / 120 / 127 Vac or 208* / 220 / 230 / 240 Vac ± 2%					208* / 220 / 230 / 240 Vac ± 2%	
Frequency	50 / 60 Hz ±0.5 %						
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						
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	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	53

* 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.

OUTPUT RECEPTACLE OPTION

