

VANGUARD RM Series

VRM series take the responsibility of missional electronic protection.

- 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



Specifications

Model	VGD-700 RM	VGD-1000 RM	VGD-1500 RM	VGD-2000 RM	VGD-3000 RM	
Configuration						
Capacity (VA)	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	
Capacity (Watts)	490 W	700 W	1050 W	1400 W	2100 W	
Form	Rack 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					
Input Voltage Range (110 Vac)	60 - 144 VAC < 40% Load 70 - 144 VAC < 70% Load 80 - 144 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	208* / 220 / 230 / 240 Vac ± 2%					
Frequency	50 / 60 Hz ±0.25 Hz					
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	
Quantity	2	3	3	6	6	
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 Slot	Option					
Audible Alarms	Yes					
Physical						
Dimensions (WxDxH)(mm)	428 x 525 x 44 (1U)	428 x 425 x 84 (2U)	428 x 525 x 44 (1U)	428 x 425 x 84 (2U)	428 x 425 x 84 (2U)	428 x 635 x 84 (2U)
Power Weight (kgs)	15.5	14.6	15.5	17.7	19.1	31.7 31.7
Module Shipping Dimensions (mm)	547x645x168	546x552x206	547x645x168	546x552x206	546x552x206	550x750x220
Shipping Weight (kgs)	17.5	16.4	17.5	19.9	21.3	34.7 34.7
Battery Dimensions (WxDxH)(mm)	-	546 x 552 x 206 (2U)	-	546 x 552 x 206 (2U)	546 x 552 x 206 (2U)	428 x 425 x 84 (2U)
Module Weight (kgs)	-	16.3	-	16.3	16.3	43.5

* 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

