

VANGUARD II RT Series

Advance VRT series with technology suitable for data center.

- On-Line UPS Design
- Pure Sinewave Output
- Double Conversion Technology
- High Efficiency Mode
- Advance Battery Management (ABM)
- Simple and Clear LCD Indicator
- Overload, Surge, Short Circuit Protection
- Rack Type Design
- Free-Run Mode



VRT-1000-3000

VRT-2000-3000 (2U+2U)

Specifications

Model	VRT-1000	VRT-1500	VRT-2000	VRT-3000	VRT-2000 (2U+2U)	VRT-3000 (2U+2U)	VRT-6000	VRT-10K	
Configuration									
Capacity (VA)	1000 VA	1500 VA	2000 VA	3000 VA	2000 VA	3000 VA	6000 VA	10000 VA	
Capacity (Watts)	900 W	1350 W	1800 W	2700 W	1800W	2700W	5400 W	9000 W	
Form	Rack and 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 < 25% Load						120 - 276 VAC, < 25% Load 140 - 276 VAC, < 50% Load 160 - 276 VAC, < 75% Load 180 - 276 VAC, < 100% Load		
	70 - 144VAC < 50 % Load								
	80 - 144 VAC < 75% Load								
	90 - 144 VAC < 100% Load								
Input Voltage Range (220 Vac)	120 - 276 VAC, < 25% Load						120 - 276 VAC, < 25% Load 140 - 276 VAC, < 50% Load 160 - 276 VAC, < 75% Load 180 - 276 VAC, < 100% 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	0.9								
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 ±0.25 Hz								
Transfer Time	0 ms								
Harmonic Distortion	≤ 2.5% THD at Linear Load						≤ 3% THD at Linear Load		
Crest Factor	3 : 1								
EPO Function	Yes								
Protection									
Overload	Line Mode	105% - 120% for 30 seconds							
	Battery Mode	101% - 109% 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 7Ah	12V 9Ah	12V 7Ah	12V 7Ah	12V 7Ah	12V 9Ah	
Quantity	3	4	6	6	6	8	20	20	
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									
Power Module	Dimensions (WxDxH)(mm)	428 x 425 x 84	428 x 500 x 84	428 x 635 x 84		428 x 425 x 84		428 x 597 x 130 (3U) 428 x 657 x 130	
	Weight (kgs)	16.3	17.9	29.8	32.6	10.1		20 25	
	Shipping Dimensions(mm)	546 x 552 x 206	550 x 620 x 220	550 x 750 x 220		546 x 552 x 206		560 x 740 x 273 565 x 805 x 208	
	Shipping Weight (kgs)	19.4	21	33.9	36.5	13.2		24 31.2	
Battery Module	Dimensions (WxDxH)(mm)	--	--	--	--	428 x 425 x 84		428 x 597 x 130 (3U) 428 x 657 x 130	
	Weight (kgs)	--	--	--	--	21 24.2		66 68	
	Shipping Dimensions(mm)	--	--	--	--	546 x 552 x 206		560 x 740 x 375 590 x 830 x 370	
	Shipping Weight (kgs)	--	--	--	--	23 26.2		75.5 83	

* 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



TYPE B TYPE E TYPE F TYPE G TYPE I TYPE IEC