

VANGUARD II Series

Multi Functional double conversion LCD On-Line UPS

Powercom is proud to present the true online topology uninterruptable power supply, the Vanguard II series. Designed in both tower form (models named as "VGS") and rack mount-tower form (models named as "VRT"), the Vanguard II series provides continuous sine-wave power with its peak power factor of 0.9, double conversion technology, and high frequency design. With its market leading performance, the Vanguard II series is the ideal power solution for network server rooms, cloud execution and storage systems, telecommunication centers, sensitive and critical electronic systems, or any system requiring high capacity and stable power supply.

- \cdot Double conversion online topology with 0.9 power factor.
- \cdot Pure sine-wave output with less than 3% of THD.
- $\cdot \ Energy-saving \ functions \ with \ high-efficiency \ mode, free-run \ mode, etc.$
- · Complete protections on short circuit, overload, surge and telecom ports, etc.
- · Reliable design with Advanced Battery Management and Adjustable Cooling System.
- · Multiple communication and remote monitoring via RS-232, USB, SNMP, etc.

Tower model - VGS



Rack&Tower model-VRT

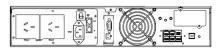


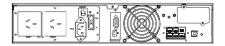
VGS-1000&1500



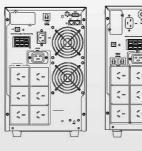
VRT-1000&1500

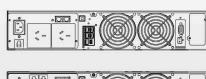
VRT-2000&3000





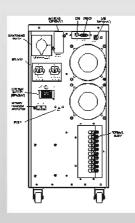
VGS-2000&3000



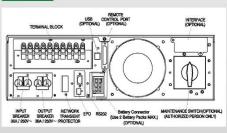




VGS-6000



VRT-6000





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Specification

эрсетеан	MODEL	VGS-1000	VGS-1500	VGS-2000	VGS-3000	VGS-6000	VGS-10K			
MOULE		1000VA	1500VA	2000VA	3000VA	6000VA	10000VA			
CAPACITY		9000V	1350W	1800W	2700W	5400W	9000W			
	Voltage	208V / 220V / 230V / 240V								
ОПЪРП		120V to 139V under 25% load, 140V to 159V under 50% load, 160V to 179V under 75% load, 180V to 276V with 100% load								
	Frequency	50Hz / 60Hz ±2.5Hz auto sensing (45Hz to 65Hz user selectable)								
	Phase	Single phase								
	Power factor	> 0.97								
	Voltage	208V / 220V / 230V / 240V (±2% on battery)								
	Frequency	50Hz / 60Hz ±0.25Hz								
	Waveform	Pure sine wave								
	Phase	Single phase								
	Harmonic distortion	< 5% of T,H.D. at non-linear load				< 3% of T.H.D. at linear load				
		< 2.5% of T.H.D. at linear load								
	Efficiency	Approximately 89%								
	Connections	*Please refer below "Receptacle Options". Customized receptacle can be discussed.								
PROTECTION	Overload protection	UPS automatic power off if overload exceeds 106% to 120% of nominal at 30 seconds; 121% to 150% for 10 seconds								
	Short circuit protection	UPS output cut off immediately or protected by input fuse or circuit breaker								
	Tele-communication	RJ45 x 2								
	Alarm	Buzzer beeps under backup mode, battery low, battery charging fault, and overload								
BATTERY	Туре	Sealed, maintenance-free lead acid battery								
	Typical recharge time	4 hours to 90%								
	Battery quantity	12V 7Ah x 3	12V 7Ah x 4	12V 7Ah x 6	12V 7Ah x 8	12V 7Ah x 20	12V 9Ah x 20			
	Backup time (100% load)	3 to 5 minutes	3 to 5 minutes	3 to 5 minutes	3 to 4 minutes	4 to 5 minutes	3 to 4 minutes			
	Protection	Battery low cut-off without draining any current								
GENERAL	Dimension (W x D x H)	152mm x 420mm x 238mm	152mm x 500mm x 238mm	225mm x 420mm x 358mm		257mm x 590mm x 570mm	257.4 mm x 642.4mm x 585.2mm			
	Product weight	16.2kg	18.3 kg	26.5 kg	31.5 kg	86.0kg	95.5kg			
	Display (LED/LCD)	LED - line mode (green), bypass / battery mode (yellow), fault (red) LCD - input / output voltage and frequency, on-line mode, backup mode, battery capacity, load level								
	Communication	Standard - RS-232; *Optional - USB B-type and/or SNMP								
	Audible noise	< 45dBA (1m from surface) < 50dBA (1m from surface)				< 60dBA (1m from surface)				
	Ambient temperature	IIII) Adube .	+0°C t	+0°C to +40°C						
	Storage temperature		-15°C 1	-20°C to +50°C						
	Humidity		-10 01	-200						
		0-95%, non-condensing								

Specification

	MODEL	VRT-1000	VRT-1500	VRT-2000	VRT-3000	VRT-6000	VRT-10K		
		1000VA	1500VA	2000VA	3000VA	6000VA	,10000VA		
CAPACITY		900W	1350W	1800W	2700W	5400W	9000W		
INPUT	Voltage	208V / 220V / 230V / 240V 120V to 139V under 25% load, 140V to 159V under 50% load, 160V to 179V under 75% load, 180V to 276V with 100% load							
	Frequency	50Hz / 60Hz ±2.5Hz auto sensing (45Hz to 65Hz user selectable)							
	Phase	Single phase							
	Power factor	> 0.97							
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	Frequency	50Hz / 60Hz ±0.25Hz							
	Waveform	Pure sine wave							
	Phase	Single phase							
	Harmonic distortion		< 5% of T.H.D < 2.5% of T	< 3% of T.H.D. at linear load					
	Efficiency	Approximately 89%							
	Connections	*Please refer below "Receptacle Options". Customized receptacle can be discussed.							
PROTECTION	Overload protection	UPS automatic power off if overload exceeds 106% to 120% of nominal at 30 seconds; 121% to 150% for 10 seconds							
	Short circuit protection	UPS output cut off immediately or protected by input fuse or circuit breaker							
	Tele-communication	RJ45 x2							
	Alarm	Buzzer beeps under backup mode, battery low, battery charging fault, and overload							
BATTERY	Туре	Sealed, maintenance-free lead acid battery							
	Typical recharge time	4 hours to 90%							
	Battery quantity	12V 7Ah x 3	12V 7Ah x 4	12V 7Ah x 6	12V 9Ah x 6	12V 7Ah x 20	12V 9Ah x 20		
	Backup time (100%	3 to 5 minutes	3 to 5 minutes	3 to 5 minutes	3 to 4 minutes	4 to 5 minutes	3 to 4 minutes		
	Protection			nt					
GENERAL	Dimension (W x D x H)	428mm x 425mm x 84mm	428mm x 500mm x 84mm	428mm x 645mm x 84mm		428mm x 597mm x 130mm	428mm x 658mm x 130mm		
	Product weight	15.2 kg	20.8 kg	29 kg	30 kg	86.0kg	95.5kg		
	Display (LED/LCD)	LED - line mode (green), bypass / battery mode (yellow), fault (red) LCD - input / output voltage and frequency, on-line mode, backup mode, battery capacity, load level							
	Communication interface	Standard - RS-232; *Optional - USB B-type and/or SNMP							
	Audible noise	< 45dBA < 50dBA (1m from surface) (1m from surface)				< 65dBA (1m from surface)	< 60dBA (1m from surface)		
	Ambient temperature		+0°C	+0 °C to +40°C					
	Storage temperature		-15°C	-20 °C to +50°C					
	Humidity	0-95%, non-condensing							