

On-Line UPS Vanguard II



FEATURES

The Powercom VGS Series UPS, a powerhouse of power efficiency and advanced features. With a 0.9 Power Factor for exceptional efficiency, On-Line Double Conversion technology, and a host of additional benefits, this UPS ensures reliable and filtered power support for critical equipment. Explore the multi-language LCD, UPSMON PRO support, and more for a comprehensive power protection solution.

Main Features

- **Power Efficiency 0.9 Power Factor:** The VGS series offers a 0.9 Power Factor, delivering excellent real power ratio that satisfies higher power density and better space design.
- **On-Line Double Conversion Technology:** This high-frequency, double-conversion technology provides a true sine wave output, ensuring filtered and reliable power support for your equipment.
- **Fan Speed Regulation:** Automatic adjustment based on load variances gives optimal temperature control with lower noise, enhancing the user experience.
- **Advanced Battery Management System:** This system provides precise charging based on battery condition and temperature, ensuring extensive battery life and optimal performance.
- **Controllable Load Segment Receptacle:** Smart power control can prioritise power distribution during regular operation and emergency, ensuring efficient use of power resources.
- **Manual Control Friendly Multi-Language LCD:** The international language LCD supports English, Japanese, French, German, Italian, and more, enhancing user accessibility.
- **UPSMON PRO Software & App Support:** Comprehensive monitoring features like status display, scheduled events, and setting adjustments are available through computers and mobile devices.
- **EPO: Emergency Power Off** enables imminent shutdown during critical times, enhancing safety.
- **DC Cold Start Function:** UPS operation is available without the main power base, based on user needs.
- **Compatibility: Selectable Output Voltage:** User-adjustable voltage output offers flexibility for various critical equipment needs.
- **Frequency Stabilising Feature:** Free Run Mode allows consistent 50/60Hz output with wide frequency range acceptance.
- **Monitoring Connectivity:** USB, RS232, and SNMP ports provide cable and online connections for your monitoring system.
- **Generator Compatible:** Generator Mode feature controls highly unstable input to provide clean power support.
- **Easy Battery Expansion:** External battery expansion can further extend battery support duration for extensive demand.

To view Access' extensive ranges go to: www.accesscomms.com.au

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MODEL	DIMENSIONS	WEIGHT	SHIP DIMENSIONS	SHIP WEIGHT
VGS-1000	152 x 420 x 237mm	15.2kg	280 x 545 x 355mm	17.4kg
VGS-1500	152 x 500 x 241mm	19.4kg	280 x 625 x 356mm	21.3kg
VGS-2000	225 x 420 x 358mm	28.8kg	340 x 526 x 485mm	31.6kg
VGS-3000	225 x 420 x 358mm	30kg	340 x 526 x 485mm	32.9kg
VGS-6000	257 x 590 x 570mm	86kg	415 x 760 x 800mm	106kg
VGS-10000	257 x 650 x 585mm	96.5kg	405 x 860 x 800mm	112kg

SPECIFICATIONS

	VGS-1000	VGS-1500	VGS-2000	VGS-3000	VGS-6000	VGS-10K
Configuration						
Capacity (VA)	1000VA	1500VA	2000VA	3000VA	6000VA	10KVA
Capacity (Watts)	900W	1350W	1800W	2700W	5400W	9000W
Form	Tower type					
Phase	Single Phase					
Energy Saving	Yes - ECO mode efficiency >94%					
Input						
Voltage	100/110/120/127 or 208/220/230/240 VAC				208/220/230/240 VAC	
Input voltage range (110 VAC)	60-144 VAC < 25% Load 70-144 VAC < 50% Load 80-144 VAC < 75% Load 90-144 VAC < 100% Load				120-276 VAC < 25% Load 140-276 VAC < 50% Load 160-276 VAC < 75% Load 180-276 VAC < 100% Load	
Input voltage range (220 VAC)	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	0.9					
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	0ms					

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SPECIFICATIONS

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 121% - 150% for 10 seconds					
Overload - Battery Mode	101% - 109% for 10 seconds 110% - 120% for 3 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 7Ah	12V 7Ah	12V 9Ah
Quantity	3	4	6	8	20	20
Sealed Maintenance Free	Yes					
Typical Recharge Time	4 hour 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				Standard	
Audible alarms	Yes					
Physical						
Dimensions	152 x 420 x 237mm	152 x 500 x 241mm	225 x 420 x 358mm		257 x 590 x 570mm	257 x 650 x 585mm
Weight	15.2kg	19.4kg	28.8kg	30kg	86kg	96.5kg
Shipping dimensions	280 x 545 x 355mm	280 x 625 x 356mm	340 x 526 x 485mm		415 x 760 x 800mm	405 x 860 x 800mm
Shipping weight	17.4kg	21.3kg	31.6kg	32.9kg	106kg	112kg

* While 110/0208V output, capacity will be derated to 90%.

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.

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