

Vanguard II



Tower - Online UPS

The Vanguard II is a true online UPS available in both rack and tower models designed to provide continuous sine wave power output. The series boasts 0.9 power factor, double conversion technology and high frequency design.

The Vanguard II series is an ideal power solution for network server rooms, cloud storage hardware, storage systems, telecommunication centres and critical electronic systems requiring high capacity and stable power supply.

Key features include:

- 0.9 Power Factor
- Double conversion technology
- Pure sine wave output
- Less than 3% harmonic distortion
- Lightning, surge, short circuit and overload protection
- Advanced battery management system
- Adjustable cooling system
- Multiple communication
- Remote monitoring via USB, RS232, SNMP, etc.
- Option for greater run-time (contact APS for more info)

Alpha Power Systems

18/30 Heathcote Road
Moorebank NSW 2170

T (02) 9602 8331

F (02) 9602 9180

E admin@alphapower.com.au

W www.alphapower.com.au

Alpha
Power Systems

Product Specifications

Model	W/Internal Batteries	UVGS6K	UVGS10K
	W/O Internal Batteries	UVGS6KL	UVGS10KL
Capacity		6000VA	10000VA
		5400W	9000W
Input Voltage	220V/230V/240V 120V – 139V under 25% load / 140V – 159V under 50% load / 160V – 179V under 75% load / 180V – 276V with 100% load		
Input Frequency	50/60Hz ± 2.5Hz – Auto sensing (± 5Hz user selectable)		
Input Power Factor	>0.97		
Output voltage	220V/230V/240V ± 2% (selectable output voltage)		
Output Frequency	50/60Hz ± 0.25%		
Output Waveform	Pure Sine Wave		
Single Phase	Yes		
Distortion	< 3% THD – linear load		
Efficiency	89%		
Australian Outlets	Yes		
Overload Protection	Automatic shutdown when: overload > 106-120% of nominal for 30s overload > 121-150% of nominal for 10s		
Short Circuit Protection	Output cut off immediately OR input fuse OR circuit breaker		
Alarms	Beeping under the following conditions: Back-up mode, battery low, battery charging fault and overload		
Telecommunications	RJ45 x 2		
Battery Type	Sealed, maintenance-free lead acid		
Typical Recharge Time	4 hours to 90% full capacity		
Battery Bus Voltage	240V _{DC}	240V _{DC}	
Internal Batteries*	20 x 12V, 9Ah	20 x 12V, 9Ah	
Back-up Time at Full Load*	Up to 5 minutes	Up to 3 minutes	
Battery Protection	Battery low cut off without draining current		
Display	LED – Line mode (green), Bypass/battery mode (yellow), Fault (red) LCD – I/O voltage & frequency, online mode, back-up mode, battery capacity, load level		
Communication Interface	RS232, USB B-type & SNMP		
Audible Noise	< 60dBA (1m from surface)		
Dimensions W x D x H (mm)	257 x 590 x 570	257.4 x 690 x 585	

Net Weight	With Batteries	86 kg	96.5 kg
	Without Batteries	40 kg	65 kg
Ambient Temperature		0 – 40°C	
Storage Temperature		-15 – 50°C	
Altitude		2000m	
Humidity		0 – 95% non-condensing	

*Only applies to models with internal batteries; does not apply to 'L' models.

ALPHA POWER