

Vanguard II



Rack - 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)

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Product Specifications

Model	UVGSR6K	UVGSR10K
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	< 65dBA (1m from surface)	< 60dBA (1m from surface)
Dimensions W x D x H (mm)	428 x 597 x 130	428 x 690 x 130
Net Weight	86 kg	92 kg

Ambient Temperature	0 – 40°C
Storage Temperature	-15 – 50°C
Altitude	2000m
Humidity	0 – 95% non-condensing

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