



Unit 3, 30 Heathcote Rd
Moorebank NSW 2170
Ph: 02-9602 8331

Vanguard UPS 2000-3000VA

Tower Model (With LCD Display)		VGD-2000	VGD-3000		
19" Rack-Mount Model		VGD-2000 -RM	VGD-3000-RM		
INPUT	Capacity (VA)	2000VA	3000VA		
	Capacity (W)	1400W	2100W		
	Voltage	100V/110V/115V/120V/127V		208V/220V/230V/240V	
		Voltage/Range	Load Capacity	Voltage/Range	Load Capacity
60 ~ 69V		0 ~ 40%	120 ~ 139V	0 ~ 40%	
70 ~ 79V		0 ~ 70%	140 ~ 159V	0 ~ 70%	
80 ~ 144V	0 ~ 100%	160 ~ 276V	0 ~ 100%		
Frequency	50 / 60 Hz Auto Sensing				
OUTPUT	Voltage (on battery)	100V, 110V, 120V, 127V or 208V, 220V, 230V, 240V +/-2% (Selectable Output Voltage)			
	Frequency (on battery)	50 / 60 Hz +/-0.5%			
	Transfer Time	0 ms			
	Overload Recovery	Auto transfer to UPS			
	High Efficiency Mode (AC to AC)	> 95 %			
	UPS Green Mode	Energy saving function (No Load Shutdown)			
	UPS Design Technology	On-Line / Fully digitized microprocessor controlled			
	Output Wave Form	Sinewave			
	Harmonic Distortion	< 3% of T.H.D. at linear load			
PROTECTION & FILTERING	Surge Protection	120V (IEEE C62.41) / 230V (IEEEC61000-4-5 level 3)			
	Overload Protection	125% for 1 minute and 150% for 10 seconds			
	Short Circuit	UPS output cut off immediately or input fuse protection			
SYSTEM DISPLAY / WARNING	Visual Display (LED Model)	UPS on(green), line-mode(green), battery mode(yellow), bypass(yellow), fault(red)			
	Visual Display (LCD Model)	Input / output voltage, input / output frequency, on-line mode, back up mode, battery capacity, load level			
	Audible Alarm (Battery Back-Up)	Beep every 5 sec			
	UPS Fault	Continuous beeping sound and LCD display			
	Communication	RS-232 Serial Port and USB			
BATTERY	Type	Sealed, maintenance-free lead acid batteries			
	DC Voltage (V) Battery (Tower)	72V / 12V7.2AH x 6	72V / 12V9AH x 6		
	DC Voltage (V) Battery (1U)	None			
	DC Voltage (V) Battery (2U)	72V / 12V7.2AH x 6	72V / 12V9AH x 6		
	Typical Recharge Time to 90% Full	4 hours			
	Management	Self-test, adjustable battery transfer points and alarm settings			
	Battery Protection	Cut off without draining any current when battery is low			
	Cold Start (DC Start)	YES			
	Back Up Time (Tower Model)	7 mins	6 mins		
	Back Up Time (Full Load)	7 mins	6 mins		
Back Up Time (Half Load)	15 mins	15 mins			
PHYSICAL	Input Inlet	NEMA 5-15 (120V) / IEC 320 (230V)			
	Receptacles	NEMA 5-15 (120V) / IEC 320 (230V)			
	Total Receptacles (UPS+Surge / Surge Only)	12 (120V), 8 (230V)			
	Tower Dimensions Inches mm (inch) W x D x H	225 x 425 x 360 (8.9" x 16.7" x 14.2")			
	19" Rack-Mount Dimensions mm (inch)	428 x 635 x 84 (16.9" x 25.0" x 3.3") 2U			
	Net Weight kg (lb)	31.6 (68.4)	32.5 (71.5)		

	Tower model		
	Shipping Weight kg (lb) Tower Model	33.6 (73.9)	35.5 (78.1)
ENVIRONMENT	Operating Temperature	0 - 40 deg C / 32 ~ 104 deg F	
	Storage Temperature	-20 ~ 50 deg C / -4 ~ 122 deg F	
	Altitude	3,500 meters max	
	Audible Noise (1 meter from surface)	< 40 dBA	
	Relative Humidity	0 ~ 95% humidity, non-condensing	
CONFORMANCE	Safety	UL 1778, CE	
	EMC (EMS / EMI)	IEC 61000-4, FCC Part 15, CISPR 22	
	Warranty	2 years	
	Warranty policy	Warranty policy may vary depends on region	