

# PRODUCT SPECIFICATIONS

MODEL	VGS-1500	VGS-2000	VGS-3000
<b>CONFIGURATION</b>			
Capacity (VA)	1500 VA	2000 VA	3000 VA
Capacity (Watts)	1350 W	1800 W	2700 W
Form	Tower Type		
Phase	Single Phase		
Energy Saving	Yes - ECO Mode Efficiency >94%		
<b>INPUT</b>			
Voltage	100 / 110 / 115 / 120 / 127 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		
Input Frequency Range	50 / 60 Hz (Auto Sensing)		
Input Power Factor	>0.97		
Cold Start	Yes		
<b>OUTPUT</b>			
Rated Power Factor	0.9		
Waveform	Pure Sine Wave		
Voltage	100 / 110 / 115 / 120 / 127 Vac		
Frequency	50 / 60 Hz ±0.25 Hz		
Transfer Time	0 ms		
Harmonic Distortion	≤ 2.5% THD at Linear Load		
Crest Factor	3:1		
EPO Function	Yes		
<b>PROTECTION</b>			
Overload	Line Mode	105% - 120% for 30 seconds 121% - 150% for 10 seconds	
	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		
<b>BATTERY</b>			
Type	12V 7Ah	12V 7Ah	12V 7Ah
Quantity	4	6	8
Sealed, MaintenanceFree	Yes		
Typical Recharge Time	4 hr to 90%		
External Battery Module	Option		
External Battery Connector	Option		
<b>MANAGEMENT &amp; COMMUNICATION</b>			
Indicator	LCD Control Panel		
Communication Port	RS 232, USB B twoe		
SNMP Slot	Option		
Audible Alarms	Yes		
<b>PHYSICAL</b>			
Dimensions (WxDxH) (in)	5.98 x 19.68 x 9.48	8.85 x 16.53 x 14.09	8.85 x 16.53 x 14.09
Weight (lbs)	42	63.49	66.13
Shipping Dimensions (in)	11.02 x 24.60 x 14.01	13.38 x 20.70 x 19.09	13.38 x 20.70 x 19.09
Shipping Weight (lbs)	46.95	69.66	72.53
<b>AGENCY LISTING</b>			
Listing	UL 1778		

## KEY FEATURES

- ON-LINE UPS DESIGN
- PURE SINEWAVE OUTPUT
- DOUBLE CONVERSION TECHNOLOGY
- HIGH EFFICIENCY MODE
- ADVANCE BATTERY MANAGEMENT
- SIMPLE AND CLEAR LCD INDICATOR
- OVERLOAD, SURGE, SHORT CIRCUIT PROTECTION
- TOWER TYPE DESIGN
- FREE RUN MODE



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