## PRODUCT SPECIFICATIONS

MODEL		VGS-1500	VGS- 2000	VGS-3000	
<b>CONFIGU</b>	RATION				
Capacity (VA)		1500 VA	2000 VA	3000 VA	
Capacity (Watts)		1350 W	1800 W	2700 W	
Form	,,	Tower Type			
Phase		Single Phase			
Energy Sa	vina	Yes - ECO Mode Efficiency >94%			
INPUT					
Voltage		100 / 110 / 115 / 120 / 127 Vac			
J		60 - 144 VAC, < 25% Load			
		70 -144 VAC, < 50% Load			
Input Volta	nge Range (110 Vac)		0 - 144 VAC, < 75% Load		
			0 - 144 VAC, <100% Loa		
Input Frequency Range		50 / 60 Hz (Auto Sensing)			
Input Frequency Range Input Power Factor		>0.97 >0.97			
Cold Start		Yes			
OUTPUT			165		
Rated Power Factor		0.9			
Waveform	ici i detoi	0.9 Pure Sine Wave			
Voltage		100 / 110 / 115 / 120 / 127 Vac			
Frequency		50 / 60 Hz ±0 .25 Hz			
Transfer Ti		0 ms			
Harmonic Distortion		≤ 2.5% THD at Linear Load			
Crest Factor		3:1			
EPO Funct		Yes			
PROTECTI					
Overload		105% - 120% for 30 seconds			
	Line Mode	121% - 150% for 10 seconds			
		101% - 109% for 10 seconds			
	Battery Mode	110% - 120% for 3 seconds			
Surge Protection		IEC 61000-4-5 Level 3			
Bypass		Internal Bypass (Automatic and Manual)			
Short Circu	uit Protection	UPS Output Cut Off Immediately			
BATTERY					
Туре		12V 7Ah	12V 7Ah	12V 7Ah	
Quantity		4	6	8	
	aintenanceFree	Yes			
Typical Re	charge Time	4 hr to 90%			
External Ba	attery Module	Option			
External Ba	attery Connector	Option			
MANAGE	MENT & COMMUNIC	CATION			
Indicator		LCD Control Panel			
Communic	cation Port	RS 232, USB B tvoe			
SNMP Slo	t	Option			
Audible Al	arms	Yes			
PHYSICAL	•				
Dimension	ıs (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 D	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 V	Veight (lbs)	46.95	69.66	72.53	
AGENCY I	LISTING				
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
- INPUT PLUG 1500 (5-15P) 2000 (5-20P) 3000 (L5-30P)
- OUTPUT RECEPTACLE
   1500 (3) 5-15R DUPLEX
   2000 (6) 5-20R DUPLEX
   3000 (3) 5-20R DUPLEX & (1) L5-30R



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## PRODUCT SPECIFICATIONS

MODEL		VGS-3000		
CONFIGURATIO				
Capacity (VA)		3000 VA		
Capacity (Watts)		2700 W		
Form		Tower Type		
Phase		Single Phase		
Energy Saving		Yes - ECO Mode Efficiency >94%		
INPUT				
Voltage		208 / 220 / 230 / 240 Vac		
		120 - 276 VAC, < 25% Load		
Input Voltage Range		140 - 276 VAC, < 50% Load		
(220 Vac)		160 - 276 VAC, < 75% Load		
		180 - 276 VAC, < 100% Load		
Input FrequenycRange		50 / 60 Hz (Auto Sensing)		
Input Power Factor		> 0.97		
Cold Start		Yes		
OUTPUT				
Rated Power F	actor	0.9		
Waveform		Pure Sine Wave		
Voltage		208 / 220 / 230 / 240 Vac ± 2%		
Frequency		50 / 60 Hz ±0,25 Hz		
Transfer Time		0 ms		
Harmonic Distortion		≤2.5% THD at Linear Load ≤3% THD at Linear Load		
Crest Factor		3:1		
EPO Function		Yes		
PROTECTION		163		
INGILOTION		105% - 120% for 30 seconds		
	Line Mode	121% - 150% for 10 seconds		
Overload		121% - 150% for 10 seconds		
Ovorioud	Battery Mode	101% - 109% for 10 seconds		
Surge Protection		110% - 120% for 03 seconds		
Surge Protecti	-	110% - 120% for 03 seconds IEC 61000-4-5 Level 3		
Surge Protecti	-	IEC 61000-4-5 Level 3		
Bypass	ion	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)		
Bypass Short Circuit P	ion	IEC 61000-4-5 Level 3		
Bypass Short Circuit P BATTERY	ion	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately		
Bypass Short Circuit P BATTERY Type	ion	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)		
Bypass Short Circuit P BATTERY Type Quantity	on Protection	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte	Protection enance Free	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar	Protection enance Free	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90%		
Bypass Short Circuit P EATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter	Protection  enance Free rge Time ry Module	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90% Option		
Bypass Short Circuit P EATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter	enance Free rge Time ry Module ry Connector	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90%		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT	Protection  enance Free rge Time ry Module	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90%  Option Option		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator	enance Free rge Time ry Module ry Connector & COMMUNICATION	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90% Option Option LCD Control Panel		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communication	enance Free rge Time ry Module ry Connector & COMMUNICATION	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90% Option Option  LCD Control Panel RS 232, USB B type		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot	enance Free rge Time ry Module ry Connector & COMMUNICATION	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)  UPS Output Cut Off Immediately  12V 7Ah  8  Yes  4 hr to 90%  Option  Option  LCD Control Panel  RS 232, USB B type  Option		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot Audible Alarm	enance Free rge Time ry Module ry Connector & COMMUNICATION	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual) UPS Output Cut Off Immediately  12V 7Ah  8  Yes 4 hr to 90% Option Option  LCD Control Panel RS 232, USB B type		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot Audible Alarm PHYSICAL	enance Free rege Time ry Module ry Connector & COMMUNICATION on Port	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)  UPS Output Cut Off Immediately  12V 7Ah  8  Yes  4 hr to 90%  Option  Option  LCD Control Panel  RS 232, USB B type  Option  Yes		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot Audible Alarm PHYSICAL Dimensions (V	enance Free rege Time ry Module ry Connector & COMMUNICATION on Port	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)  UPS Output Cut Off Immediately  12V 7Ah  8  Yes  4 hr to 90%  Option  Option  LCD Control Panel  RS 232, USB B type  Option  Yes  225 X 420 X 358		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot Audible Alarm PHYSICAL Dimensions (W Weight (kgs)	enance Free rege Time ry Module ry Connector & COMMUNICATION on Port s	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)  UPS Output Cut Off Immediately  12V 7Ah  8  Yes  4 hr to 90%  Option  Option  LCD Control Panel  RS 232, USB B type  Option  Yes  225 X 420 X 358  30		
Bypass Short Circuit P BATTERY Type Quantity Sealed, Mainte Typical Rechar External Batter External Batter MANAGEMENT Indicator Communicatio SNMP Slot Audible Alarm PHYSICAL Dimensions (V	enance Free rege Time ry Module ry Connector & COMMUNICATION on Port s NXDXH) (mm)	IEC 61000-4-5 Level 3 Interna Bypass (Automatic and Manual)  UPS Output Cut Off Immediately  12V 7Ah  8  Yes  4 hr to 90%  Option  Option  LCD Control Panel  RS 232, USB B type  Option  Yes  225 X 420 X 358		

## **KEY FEATURES**

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- SIMPLE AND CLEAR LCD INDICATOR
- OVERLOAD, SURGE, SHORT CIRCUIT **PROTECTION**
- MONITORING CONNECTIVITY
- GENERATOR COMPATIBLE
- FREQUENCY STABILIZING FEATURE
- SELECTABLE OUTPUT VOLTAGE
- TOWER TYPE DESIGN
- FREE RUN MODE
- DETACHABLE POWER CORD WITH L6-20P
- OUTPUT RECEPTACLE (8) IEC C13 AND (I) IEC C19

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<sup>\*\*</sup> Specifications are subject to change without further notice.

<sup>\*\*</sup> Specifications are for reference, please refer to information based on real product.