

# VENUS



1200VA | 2000VA | 2400VA | 3400VA

PURE SINE WAVE UPS

UNINTERRUPTIBLE  
POWER SUPPLIES

## FEATURES

- Pure sine wave, transformer based, single phase, parallel online UPS
- Performance and reliability
- High efficient torodial transformer with low energy loss
- Advanced charging design for optimized battery performance and longevity
- DC cold start function
- ECO mode operation for energy saving
- Generator compatible
- Communication port on RS232 / RS485, SNMP optional
- LCD display
- Internal or External batteries for external battery options
- Suitable for robust environments



**YOUR BACK-UP POWER SOLUTION**

# TECHNICAL SPECIFICATIONS

MODEL	V-ENVIE 1200VA	V-ENVIE 2000VA	V-ENVIE 2400VA	V-ENVIE 3400VA
Capacity (VA / Watts)	1200VA / 700Watts	2000VA / 1200Watts	2400VA / 1600Watts	3400VA / 2400Watts
Display	LCD			
<b>INPUT</b>				
Phase	Single phase			
Connection	L, N and G wire			
Voltage	165 - 275 VAC			
Frequency	45Hz - 65Hz			
<b>OUTPUT</b>				
Output Voltage	230VAC $\pm$ 2% (Battery mode)			
Voltage Regulation	$\pm$ 10%			
Frequency Range	50/60Hz $\pm$ 0.5Hz			
Efficiency	>99% in mains mode; 80% in inverter mode			
Waveform	Sinewave THD <3% at linear load			
Overload Capacity	< 2% (Linear load) ; <5% (Non-linear load)			
<b>STATIC BYPASS</b>				
Type	Solid State			
Voltage	3 x 400VAC (3Ph + N)			
Frequency	50/60Hz			
Activation criterion	Microprocessor control			
Transfer time	Zero			
Admissible overload	150% for 1hr, 108% for 30sec; > 200% for 200ms			
Transfer to bypass	Immediate for overloads above 160%			
Retransfer	Automatic after alarm clear			
<b>BATTERY</b>				
Type	Lead-acid maintenance free battery			
Voltage	12DC	24VDC	48VDC	
Recharge Time to 90%	9 Hours			
Voltage	13.7VDC $\pm$ 1%	55VDC $\pm$ 1%		
Backup Time	Depends on Capacity and Volume of External Batteries			
<b>PROTECTION</b>				
Overload Protection	Yes			
Short Circuit Protection	Alarm sounds for 20 seconds, then UPS turns off			
Input High/Low Voltage Protection	Yes			
Battery High/Low Voltage Protection	Yes			
Battery Anti-polarity Protection	Yes			
High Temperature Protection	Yes			
<b>AUDIBLE ALARM</b>				
Mains Failure	Buzzer sounds for 10 minutes prior to shutdown			
Battery Low Voltage (after 2nd alarm)	Buzzer sounds every second			
Overload	Buzzer sounds every second			
<b>PHYSICAL</b>				
Dimensions (WxDxH) mm	380 x 145 x 210	460 x 225 x 330	475 x 225 x 330	
Net Weight (kgs) excluding batteries	9	17	21	
<b>ENVIRONMENT</b>				
Humidity	10-90% (non-condensing)			
Noise Level	<38db (1 Meter)			
Temperature	0 - 40° C			
<b>MANAGEMENT</b>				
Smart RS-232/USB	Support Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC			
Optional SNMP	Power management system from SNMP manager and web browser			
SUITABLE APPLICATIONS	Home, SME's, Industrial, Mining, security, transport industries, data centres, automation			

\*Due to continuous product improvements specifications are subject to change without prior notice



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No warranty offered on lead acid batteries  
 12 month carry in warranty on UPS unit only

