VT Vesta Series

AvivEnergy tech ltd.

Backing up your system in intelligent way

Vesta series is more than a traditional UPS. CPU controlled design, built-in AVR and smart communication interface, Vesta series not merely provides reliable power protection but also provide smart power management for increasing Internet and Ethernet applications. Vesta series is the most cost-effective solution to power-protecting and power-managing your mission-critical PC, server, small network & valuable peripherals.

Excellent Voltage Regulation Ability
Every Vesta UPS with built-in AVR protect the systems against voltage fluctuation. AVR will regulate the input voltage automatically within certain range without transferring to battery mode, which greatly extends the battery life.

Smart Microprocessor Control
Powerful microprocessor design integrates all power stages as well as control and communication functions that strongly enhance the functionality and reliability.

Modem/LAN Internet protection
Every Vesta UPS has equipped with RJ11/RJ45 surge suppression phone jack to protect against any spike or surge coming through network or telephone wires.

Smart RS-232 interface for power management
By connecting ith UPS monitoring software, Vesta series supports real-time power & UPS status monitoring, automatic shutdown, schedule ON/OFF and many other advanced power management functions. For more functions about the software and its applicable O/S, please contact local distributors or manufacturer.

DC Start Capability
With high inrush handling ability, Vesta series can be turned on without connecting to the utility power. Users may turn ON/OFF the UPS freely during power failure.

USB compatible
USB compatibility and connectivity ensures quick and easy installation. It enhances automatically shutdown software and file saving.

AC Line Surge Protection and Noise Filtering
Full-time surge protection protects hardware from damaging by surge. EMI/RFI filtering protects the hardware from interfering by electrical noise.

UPS Self-test Function
UPS will perform self-test either by manual or automatic control. Periodical self-test can enhance the reliability and also ensure the battery quality before next black out.

Smart Battery Management
Two stages Battery Low alarm will sound and shut down UPS automatically to prevent the battery from over-drain and extend the battery life.

Site Wiring Fault Indicator
Detect and warn for abnormal wiring status to prevent potential hazard.

Overload & Short Circuit protection
Overload alarm will sound for warning the overload situation and shutdown UPS to prevent further damage. To protect UPS and its protected devices, UPS will shutdown itself when senses short circuit situation.

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Vesta Pro Series Technical Specification ▶▶

Model		525	625	1000i	1500i
Input	Voltage(Vac)	115V / 230V ± 25%			
	Frequency(Hz)	50/60 ± 5Hz auto-sensing			
Output(AC mode)	AVR Regulation	Increase output 15% (input -9~-25%)			
		Decrease output 15% (input +9~+25%)			
Output(INV. mode)	Voltage	115V / 230V ± 10%			
	Frequency(Hz)	50/60 ± 1%			
	Waveform	Simulated Sine Wave			
	Capacity(VA./W)	525 / 315	625 / 375	1000 / 600	1500 / 900
	Transfer Time(ms)	4ms Typical			
	Autonomy	5~30 mins for typical PC Load			
Battery	Voltage	12Vdc		24Vdc	
	Type	Sealed Maintenance Free Lead Acid VRLA type			
	Capacity	12V / 7AH	12V / 7AH	12V / 7AH	12V / 9AH
	Quantity	1 pc	1 pc	2 pcs	2 pcs
	Recharging Time	6~8 Hours to 90%			
DC Start		Yes			
Self Diagnostics		Upon Power-on and Software Control			
Site Wiring Fault Indicator		Yes (115Vac system only)		Yes	
Display	LEDs	2 LEDs for Line / Backup and Battery Low / Fault		4 LEDs for Line, Backup, Fault, and Overload	
Protection	Overload (AC Mode)	Buzzer continuously alarms.		Buzzer continuously alarms.	
	(Inverter Mode)	>100% continuously alarms >110% UPS shuts down after 10 sec.		>100 % continuously alarms >110 % UPS shuts down after 10 sec.	
	Short Circuit	AC Mode: Input Fuse & Electronic Circuit INV. Mode: Electronic Circuit			
	Noise Suppression	Meets EN50091-2			
	Spike Suppression	Meets EN61000-4-5			
	Battery Over-drain	Two stages: Controlled Battery Low Warning & Cut off			
	Modem/Network	RJ45			
Alarm	Audible	Line Failure, Battery Low, and Overload / Fault			
Physical	Dimensions(WxHxD)	95 x 171 x 354 mm (3.7" x 6.7" x 13.9")		147 x 234 x 360 mm (5.8" x 9.2" x 14.2")	
	Net Weight	7.0Kgs / 15.5 lbs	7.5Kgs / 16.5 lbs	13Kgs / 28.6 lbs	16Kgs / 35.2 lbs
	Backup Outlet NEMA/ IEC	2 / 2		4 / 4	
Environmental	Operation Temperature	0 - 40 degree C			
	Operation Humidity	95% RH Maximum, Non-condensing			
Computer	Interface Type	True RS232 Communication		USB Communication (True RS232 Communication as an option)	
Interface	Compatible platforms	Windows 95 / 98 / NT / 2000 / XP / Netware,Linux, FreeBSD, etc.			
Safety Conformance	Safety Standard	EN50091-1			
	EMC / Surge Standard	EN50091-2, EN61000-3-2, EN61000-3-3			
	Mark	CE			

* Specifications subject to change without prior notice.

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