

VP-100R SERIES

ABOUT THE PRODUCT:

Velox Power VP-100R Series rack-mount UPS features three CPU controllers, pure sine wave output, and full digital control. Designed for rack-mounted servers and network equipment, it ensures backup power, voltage regulation, and high efficiency with low no-load consumption. VP-100R series comes with High Frequency switching technology which provides a low consumption on no load while on load it gives a high conversion efficiency.

MAIN FEATURES:

- LCD panel for easy monitoring of features and fault codes
- Adjustable charging voltage and current for different battery types and capacities
- Pure sine wave output for stable, clean power
- Protection against power interruptions, fluctuations, and voltage spikes
- Continuous output with automatic switching between AC and battery mode
- AC overvoltage, battery under-voltage, overload, and short-circuit protection
- Battery terminal reversal safety and over-temperature protection
- Auto-restart when AC power is restored
- Ideal for IT equipment, ATMs, servers, monitoring devices, medical devices, Automated ticketing and vending machines, POS systems, CCTV, and more

Low Frequency Inverter / UPS
Line Interactive
1 kVA – 6 kVA - Rack Mount



TECHNICAL SPECIFICATIONS FOR VP-100R SERIES

Model		VP-101R	VP-102R	VP-103R	VP-105R	VP-106R	
Rating (KVA)		1000 VA	2000 VA	3000 VA	5000 VA	6000 VA	
Topology		Line Interactive					
Input	Voltage	220/230 VAC					
	Voltage Range	220/230 VAC (+25%, -36%)		220/230 VAC (+25%, -25%)			
	Frequency	50Hz/60Hz ± 2.5 Hz (Auto sensing)					
Output	Voltage Range	220 / 230 (Inverter: ± 5%, AC: ± 10%)					
	Frequency	50Hz/60Hz ± 0.5Hz (Auto sensing)					
	AC Efficiency	93%					
	Harmonic Distortion	Liner Load <3%, Non-Liner Load<5%					
	Overload	110% ≥ 60 s, 120% ≥ 10 s					
	Current Crest Factor	3:1					
	Transfer Time	4 ms					
	Wave Form	Pure Sine Wave					
	Power Factor	0.6 (0.8/0.9 Optional)					
	Battery	Terminal					
	Battery	Voltage	12 VDC	24 VDC	24/48VDC	48 VDC	
		Charging Current	4-20A (Adjustable)			8-40A (Adjustable)	
Type		Liquid Automotive, Sealed Lead Acid, Life PO4 Lithium Ion					
Display	Method	LCD+LED					
	Content	Input/output Voltage, battery voltage, battery capacity, load capacity, machine operating mode, frequency					
Protection	Battery Reversal	Optional					
	Output Short Circuit	AC mode: jump fuse; Inverter mode: shut down					
	High AC Voltage	Turn off AC, Turn to inverter mode automatically					
	Low DC Voltage	UPS shutdown automatically, Once the AC recover, UPS turn on and charge automatically					
	Over Temperature	UPS alarm, output shutdown, After the temperature drops, the UPS resume output					
System	Degree Protection	IP20					
	Software Interface	Windows9x, 2000, NT, ME, XP, Linux, Novell, MacOSx, NT4.0					
Environment	Humidity	15-93% (Non condensation)					
	Temperature	-10-50°C					
	Altitude	≤ 3000m					
Communication		RS232 Standard, USB/RS485/SNMP/WIFI (Optional)					
Physicals	Dimension: WxDXH (mm)	483x420x89 (2U)			483x420x132 (3U)		
	Weight: (kg)	7.2	12.6	13.9	28	33	

Note : Product specifications are subject to change purely on company's discretion without any prior notice. *Range can be customised as per requirement

WHY VP 100R SERIES?



SINE WAVE



LONG
BACKUP TIME



BUILT-IN-AVR



WIFI
MONITORING



DIGITAL
DISPLAY



ECO FRIENDLY



SERVICE/
TECH SUPPORT