

VP-100 SERIES

ABOUT THE PRODUCT:

Velox Power VP-100 Series is low frequency, transformer base inverter UPS which utilizes a digital control concept, providing a true pure sine wave output. The utility frequency scheme has strong impact resistance, with adjustable mains charging voltage and current. The working mode can be freely selected, providing clean and reliable power supply for the load to meet the demand of uninterrupted operations.

MAIN FEATURES:

- High-frequency switching for low consumption and high conversion efficiency
- Pure sine wave output for clean power
- LCD display for easy monitoring and fault codes
- Adjustable battery voltage and current for various battery types and fast charging
- Space-saving structure for offices and small areas
- Safety protections: overvoltage, under-voltage, overload, short-circuit, and over-temperature
- Continuous output with automatic switching between AC and battery mode
- Auto-restart when AC power is restored
- Ideal for IT equipment, ATMs, servers, monitoring devices, medical devices, POS systems, CCTV, and more

Low Frequency Inverter / UPS
Line Interactive
1 kVA – 10 kVA - Tower



TECHNICAL SPECIFICATIONS FOR VP-100 SERIES

Model		VP-101	VP-102	VP-103	VP-105	VP-106	VP-108	VP-110	
Rating (KVA)		1000 VA	2000 VA	3000 VA	5000 VA	6000 VA	8000 VA	10000 VA	
Topology		Line Interactive, Low Frequency Transformer Base Inverter							
Input	Voltage	220/230 VAC							
	Voltage Range	220/230 VAC (+25%, - 36%)			220/230 VAC (+25%, - 25%)				
	Frequency	50Hz/60Hz ± 2.5 Hz							
Output	Battery Efficiency	81%			83%				
	AC Efficiency	93%							
	Voltage Range	220 / 230 (AC Mode: ± 10%, Battery ± 5%)							
	Frequency	50Hz/60Hz ± 0.5Hz (AC Mode ± 2.5Hz)							
	Transfer Time	4 ms							
	USB Output	DC 5V/1A x1+5V/2Ax1 (Optional)							
	Power Factor	0.6 (0.8/0.9 Optional)							
	Wave Form	Pure Sine Wave							
	Connector	Input/Output	Input Power Cable, 2 PCs Output Sockets			Terminals			
		Battery	Terminals						
Battery	Voltage	12 VDC	24 VDC	24/48VDC	48 VDC				
	Charging Current	1-20A (Adjustable)			1-40A (Adjustable)				
	Battery Supported	Liquid Automotive, 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							
	Overload	If the load exceeds, 105%, the buzzer emits an alarm sound without shutting down; If the load exceeds, 110%, the unit will shutdown after 60 seconds of protection; If the load exceeds, 130%, the unit will shutdown after 20 seconds of protection; If the load is overloading by 200%, the unit will shutdown after 1 seconds of protection;							
	High AC Voltage	Turn off AC, Turn to inverter mode automatically							
	Low DC Voltage	Inverter shutdown automatically, Once the AC recover, inverter turn on and charge automatically							
	Over Temperature	Inverter will automatically shutdown, and the unit will automatically start charging when the mains power is restored							
Environment	Humidity	15-93% (Non condensation)							
	Temperature	-10-50°C							
Communication		RS232 Standard, USB/RS485/SNMP/WIFI (Optional)							
Physicals	Machine Dimension: WxDXH (mm)	381x145x210			472x190x330				
	Package Dimension: WxDXH (mm)	470x230x315			575x300x430				
	Net Weight: (kg)	6.9	8.1	16.3	18.5	21.5	22.8	23.8	
	Gross Weight: (kg)	7.9	9.1	17.6	19.8	22.8	24	24.3	

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 100 SERIES?

