

VP-400 SERIES

ABOUT THE PRODUCT:

The Velox Power VP-400 Series is a next generation online UPS designed for modern load requirements, featuring upstream harmonic management for generator compatibility. Its flexible configuration and integrated auxiliary equipment ensure easy installation. With advanced DSP processing and IGBT SVPWM technology, it enhances control accuracy and speed. Integration, digitization, intelligence, and modularity make it a versatile and high-performance UPS.

MAIN FEATURES:

- 7-inch LCD capacitive touch screen provides an intuitive user experience with complete data logs for fault, operation, and status records.
- Advanced Battery Management (ABM) extends battery life by optimizing charging and discharging cycles.
- High-efficiency ECO mode reduces energy costs while ensuring reliable performance across various applications.
- Enhanced reliability and power quality with advanced DSP technology, on-line isolation, and N+1 redundancy for maximum availability.
- Flexible power supply technology allows combined utility and battery power distribution, adapting to various load types.
- Ideal for industrial automation, data centers, communication base stations, healthcare, rail transportation, military, and national defense.

**Industrial Digital - Three Phase UPS
Online Double Conversion Topology
10kVA -120 kVA**



TECHNICAL SPECIFICATIONS FOR VP-400 SERIES

Model		VP-4010	VP-4015	VP-4020	VP-4030	VP-4040	VP-4050	VP-4060	VP-4080	VP-4100	VP-4120
Rating (KVA)		10 kVA	15 kVA	20 kVA	30 kVA	40 kVA	50 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Input	Phase	3 phases 5 Wires (3Ph+N+PE)									
	Rated Voltage	380VAC/400VAC/415 VAC (Default 380VAC)									
	Voltage Range	304V-456V									
	Frequency Range	40Hz-70Hz									
	Power Factor	>0.95									
	Current Limit	1.25 times the rated current (0.1-1.25 can be set)									
	Rectifier Delay Start Range	Default 10s (1-300s can be set)									
ECO Mode	By Pass input Voltage Range	Upper limit 10%-25% can be set, Default 20%, lower limit 10%-60% can be set, Default 20%									
	By Pass Voltage Range	Upper limit 5%-15% can be set, Default 5%, lower limit 5%-15% can be set, Default 5%									
	By Pass Frequency Range	± 1Hz - ± 3Hz can be set, Default ± 2Hz									
Output	Phase	3 phases 5 Wires (3Ph+N+PE)									
	Rated Voltage	380VAC/400VAC/415 VAC (Default 380VAC)									
	Voltage Regulation	± 1%									
	Voltage trimming	0V (± 1V to ± 5 V can be set)									
	Frequency accuracy	Mains mode: tracking bypass input in synchronization state; Battery mode; 50 Hz/60Hz ±0.1%									
	Power Factor	1									
	Harmonic Distortion	≤2% (Linear load) ; ≤5% (Non-Linear load)									
	Waveform	Pure Sine Wave									
	Crest Factor	3:1									
Battery	Inverter Overload Capacity	When the load is <105%, it can work for a long time; When 105%<load <110%, it will switch to bypass output after 60 minutes; When 110%<load <125%, switch to bypass output after 10 minutes; When 125%<load <150%, switch to bypass output after 1 minute; When load>150%, switch to bypass output after 20 milliseconds;									
	Voltage	Default 360VDC (336VDC, 348VDC, 372VDC, 384VDC can be set)									
	Numbers	Default 12V 30PCs (28-32 PCs can be set)									
	Charging Current	Charging rate / battery capacity /battery pack number (can be set)									
System	Efficiency	Online mode:>93%, ECO mode: >98%									
	Transfer Time	0 ms									
	Number of parallel	≤ 8 Sets									
	Protective Function	Output short circuit protection, output overload protection, over temperature protection, battery low voltage protection, output over and under voltage protection, fan failure protection, etc.									
	Communication Interface	Standards: USB, CAN, EPO, RS232, dry contact: Optional: SNMP card, temperature compensation accessories									
Environment	Display	7-inch LCD touch screen									
	Operating Temperature	0-40°C									
	Storage Temperature	-25°C-55°C (exclude battery)									
	Relative Humidity	0%-95% (Non condensation)									
	Altitude	Capacity de-rates by 1% for every 100m over1000m									
	Degree of protection	IP30									
Physicals	Noise	Less than 65dB (1 meter from the device)									
	Dimension: WxDxH (mm)	500x700x1300				600x700x1600				700x800x1800	
Weight: (kg)		150	160	165	200	240	320	440	560	600	650

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

WHY VP400 SERIES?



DSP FULL
DIGITAL
CONTROL



PARALLEL
CONNECTIVITY (N+1)



POWER FACTOR



MULTIPLE
PROTECTION
TECHNOLOGY



DIGITAL
DISPLAY



SNMP
MODULE



SERVICE/
TECH SUPPORT