

VP-500 SERIES

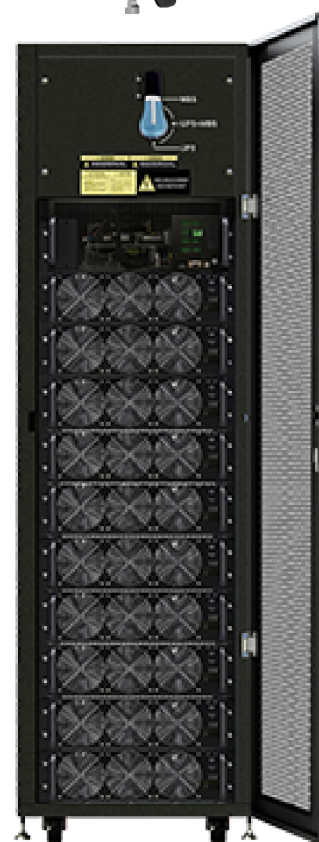
ABOUT THE PRODUCT:

The Velox Power VP-500 Series is a modular UPS with a hot-swappable design, enabling maintenance without downtime. It offers scalable expansion, reducing initial investment costs. Featuring online double conversion technology, it achieves 94.5% efficiency for optimal performance. Its flexible architecture supports future equipment expansion. Designed for reliability and redundancy, it seamlessly integrates with modern data rooms.

MAIN FEATURES:

- 5.7" interactive LCD display provides easy access to system management, real-time monitoring, and fault code display.
- Adjustable battery charging current allows fast recharging and adapts to various battery setups for flexibility.
- Clean unity power factor output ensures stable power for sensitive equipment, with N+1 or N+X parallel redundancy for reliability.
- Advanced battery features include flexible configurations, high overload capacity, and efficient power management.
- Easy installation and maintenance simplify system setup and operation, reducing downtime and effort.
- Optional communication ports such as RS232, USB, and SNMP enable seamless remote monitoring and control.
- Suitable for multiple applications, including data centers, communication networks, finance, industrial automation, medical systems, security, and government departments.

Modular UPS - Three Phase UPS
Online Double Conversion
10kVA -120 kVA



TECHNICAL SPECIFICATIONS FOR VP-500 SERIES

Model		VP-5090	VP-5120	VP-5180	VP-5210	VP-5240	VP-5300	VP-5400	VP-5500	VP-5600
Rating		90 kVA	120 KVA	180 kVA	210 KVA	240 KVA	300 KVA	400 KVA	500 KVA	600 KVA
Power Module Capacity		30kW	20kW/30kW/50kW/60kW					40kW	50KW	60kW
Phase		3 phases In / 3 Phase Out								
Input	Rated Voltage	380VAC/400VAC/415 VAC (3Ph+N)								
	Voltage Range	305-477VAC @ 100% Load; 208-304VAC @70% Load								
	Nominal Frequency	50/60Hz (Auto Sensing)								
	Frequency Range	40Hz-70Hz								
	Harmonic Distortion (THDi)	<3% @ 100% load								
	Power Factor	>0.99 @ 100% Load, >0.98 @ 50% Load								
Output	Nominal Voltage	380VAC/400VAC/415 VAC (3Ph+N)								
	Voltage Stability (Steady State)	< ± 1% Typical (Balanced Load) ; < ± 2% Typical (Un Balanced Load)								
	Voltage Stability (Transient)	< ± 5% Typical								
	Nominal Frequency	50/60Hz								
	Frequency Range (Synchronized)	46-54Hz - 56-64 Hz								
	Harmonic Distortion	≤1.5% (Linear load) ; ≤5% (Non-Linear load)								
	Efficiency	94.5%								
	Overload Capability	1 hour for 110%, 10 min for 120%, 1 min for 150%, 200ms for >150%								
Battery / Charger	Nominal Voltage	± 216(12V x 36 Pcs)								
	Maximum Voltage	± 240(12V x 40 Pcs)								
	Minimum Voltage	± 192V (12V x 32 Pcs)								
	Float Charging Voltage	2.25V/cell								
	Boost Charging Voltage	2.35V/cell								
	Temperature Compensation	Yes								
	Maximum Charging Current	8 Amp for each Power Module (User adjustable)								
Standards	Safety	IEC/EN 60950-1 ; IEC/EN 62040-1								
	EMC	IEC/EN 60950-2 Category C3								
Management	Smart RS-232 or USB	Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, MAC								
	Optional SNMP	Power Management from SNMP Manager and Web Browser								
Environment	Temperature	0-40°C								
	Relative Humidity	0%-95% (Non condensation)								
	Altitude	<1000m for nominal power								
	Degree of protection	IP20								
Physicals	Dimension: WxDxH (mm)	1100x514x763	1100x600x1475		20/30/60kW: 1100x600x2010 50kW: 650x1095x2000			1300x1100x2000		1100x1200x2010
	Cabinet Net Weight: (kg)	183	20/30kW:335 60kW:270	20/30kW:478 60kW:300	30kW:549	60kW:466	30kW:620 60kW:510	450	450	1020

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

MODULE SPECIFICATION?

Model	Capacity	Size (wxDxHmm)	Weight (Kg)
MPS-20KW	20KW	650X440X132	33
MPS-30KW	30KW	650X440X132	34.5
MPS-40KW	40KW	700X510X178	44
MPS-50KW	50KW	700X510X178	45
MPS-60KW	60KW	750X438X130	44