

VP-300 SERIES

ABOUT THE PRODUCT:

The Velox Power VP-300 Series (100-300 kVA) is a High-Frequency Online UPS designed for high-power three-phase applications. It features a pluggable power module with front access, reducing maintenance time and ensuring parallel redundancy for continuous power supply. With support for parallel operations, it enhances scalability and reliability. Equipped with MCU control and DSP technology, it ensures high performance and efficiency.

MAIN FEATURES:

- 7" color touch LCD provides easy access to logs, controls, and fault codes for comprehensive monitoring.
- Equipped with a powerful charger for fast recharge and adjustable charging current, adaptable to various battery setups.
- Built-in switches for mains, bypass, output, and maintenance bypass ensure versatile control options.
- Features an output power factor of 1.0 and active power factor correction for maximum efficiency and power quality.
- Offers up to 98.5% efficiency in ECO mode for energy-saving operation.
- Supports dual inputs, parallel operation (up to four units with a common battery), voice warnings, high overload support, Emergency Power Off (EPO), generator compatibility, and 50Hz/60Hz frequency conversion.
- Compatible with Lithium-Ion batteries, ensuring future-proof high-power reliability.
- Suitable for IT network equipment, servers, switching devices, communication base stations, bank branches, business equipment, and medical devices.



**High Frequency Three Phase UPS
Online Double Conversion Topology
100-300 kVA**

TECHNICAL SPECIFICATIONS FOR VP-300 SERIES

Model		VP-3100	VP-3120	VP-3180	VP-3200	VP-3240	VP-3300
Rating (KVA)		100 kVA	120 kVA	180 kVA	200 KVA	240 kVA	300 kVA
Phase		3-Phase In / 3-Phase Out					
Input	Nominal Voltage	3x380/400/415 VAC (3Ph+N)					
	Voltage Range	-30%~+20%					
	Frequency Range	40-70 Hz					
	Power Factor	≥0.99 @100%Load					
	Harmonic Distortion (THD)	<4% at 100% Load					
Output	Output Voltage	3x380/400/415 VAC (3Ph+N)					
	Voltage Regulation (Steady state)	±1%					
	Frequency Range (Synchronized Range)	46-54 Hz or 56-64 Hz					
	Frequency Range (Batt. Mode)	50/60 Hz ± 1%					
	Current Crest Ration	3:1 (max)					
	Harmonic Distortion	≤2% THD (Linear Load);≤4% THD (Non-Linear Load)					
	Overload Capability	<110% for 60 min., 111-125% for 10 min., 126-150% for 1 min;>150% or 400 ms					
	Power Factor	1					
	Wave Form	Pure Sine Wave					
Transfer Time	AC Mode to Battery Mode	Zero					
Efficiency	AC Mode	95.5%					
	Battery Mode	94.5%					
	ECO Mode	98.5%					
By Pass	Nominal Voltage	3x380/400/415 VAC (3Ph+N)					
	Voltage Range	-30%~+20%					
	Frequency Range	46-54 Hz or 56-64 Hz					
	Overload Capability	<110% for 60 min., 111-125% for 10 min., 126-150% for 1 min;>150% or 400 ms					
Battery	Voltage	±192V ~ ±240V(Selectable)					
	Numbers	32-40 PCs					
	Floating Charge Voltage	2.28 V / Cell (2.25 - 2.33 Selectable)					
	Boost Charging Voltage	2.235 V / Cell					
	Temperature Compensation	Yes					
	Charging Current (max)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)	72A (Adjustable)	90A (Adjustable)
Management	Smart RS-232/ USB	Supports Windows Family, Linux and MAC					
	Optional SNMP	Power management from SNMP manager and web browser					
Environment	Operation Temperature	0-40°C					
	Operation Humidity	<95% (Non condensation)					
	Altitude**	<1000m for nominal power					
Standards	Safety	IEC / EN 62040-1					
	EMC	IEC / EN 62040-2 Category C3					
Physicals	Dimension: WxDxH (mm)	1000x430x1200		1000x600x1200		1100x600x1475	
	Weight: (kg)	169	169	249	249	360	396

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

WHY VP300 SERIES?



DSP FULL
DIGITAL
CONTROL



PARALLEL
CONNECTIVITY (N+1)



POWER FACTOR



MULTIPLE
PROTECTION
TECHNOLOGY



DIGITAL
DISPLAY



SNMP
MODULE



SERVICE/
TECH SUPPORT