

VP-200Li SERIES

ABOUT THE PRODUCT:

The Velox Power VP-200 Li Series is a double-conversion online UPS with built-in and external lithium-ion batteries. It features DSP digital control for improved reliability. With active power factor correction, it ensures high efficiency and stable performance. Its compact design makes it ideal for space-constrained environments. Designed for reliability, it enhances system performance and energy efficiency.

MAIN FEATURES:

- Interactive LCD displays real-time UPS status, including fault codes
- Li-ion batteries provide up to 3x longer backup than lead-acid batteries
- Wide input voltage (90-300VAC) and frequency range (40-70Hz) with AVR for stable power
- Cold start function enables battery-powered startup without mains supply
- Economic operation mode (ECO) for energy efficiency
- Advanced Li-ion battery management with customizable charging and lifecycle optimization
- Generator compatible for uninterrupted power supply
- Standard USB and RS232 interfaces with intelligent slots for adapters and protocol converters
- Supports Modbus for BMS interface and dry contact for BMS control
- Ideal for electricity, IT, communication, data centers, ATMs, transportation, healthcare, mines, securities, and in-vehicle systems

**High Frequency Lithium Ion UPS
Online Double Conversion Topology
1-3 kVA**



TECHNICAL SPECIFICATIONS FOR VP-200Li SERIES

Model		VP-201Li	VP-201Li (S)	VP-202Li	VP-202Li(S)	VP-203Li	VP-203Li (S)
Rating (KVA)		1000 VA		2000 VA		3000 VA	
Topology		On Line Double Conversion					
Input	Wiring	L/N+PE					
	Rated Voltage	208/220/230/240 VAC					
	Voltage Range	90-300VAC					
	Frequency Range	40Hz-70Hz					
	Power Factor	≥0.99					
Output	Wiring	L/N+PE					
	Rated Voltage	208/220/230/240 VAC					
	Voltage Regulation	±1%					
	Frequency	50/60±4 Hz (Sync Mode) / 50/60±0.1% Hz (Free Run)					
	Wave Form	Sine Wave					
	Distortion (THDV%)	<2% (Linear Load) / <8% (Non-Linear Load)					
	Overload Capacity	10% -105% continuous 60 Sec @ 105%-125% Rated Load 10 Sec @ 125%-150% Rated Load 0.3Sec @ >150% Rated Load					
	Power Factor	0.8					
Efficiency	Line Mode	90%		91%		92%	
	Battery Mode	87%		88%		89%	
Battery	Type	Lithium Ion - LiFePO4					
	Voltage	51.2/48VDC (Default for 16 cell of LifePO4)					
	Capacity	615WH	External Battery Depends	920WH	External Battery Depends	1250WH	External Battery Depends
	Backup Time	>40 min @ half load		>30 min @ half load		>20 min @ half load	
	Charging Current	4 A (Default)	4 A (Default) 8 A and 16 A (Optional)	4 A (Default)	4 A (Default) 8 A and 16 A (Optional)	4 A (Default)	4 A (Default) 8 A and 16 A (Optional)
	Charging Voltage	56.8V (default for 16cell of LiFePO4) / Customized according to battery request					
	Charger Behavior & Protection	CC. CV. Floating. Turn-Off 4 States 3 over voltage protection loop, preserve interface for over temperature / over pressure switch off interface					
HMI	LED Display	Mains / battery status, Load level, battery level, Operation Mode					
	LCD Display with LED Indicator	Input Mains Voltage, Frequency, Load level, Operation Mode, Health Status, Battery SOC					
Communication	Standards	1. RS232 Port / USB Card (not HID) 2. Dry Contact Interface for BMS control 3. Modbus for BMS interface					
	Optional Extension Card	4. Network Card: Support SNMP/T CP/IP for remote monitoring the UPS via Smart Phone App, Web page, PC Monitor Software, Support Server / NAS Shutdown 5. RS485-Modbus Card, LAN (T CP IP)-Modbus Card 6. Mini AS400 Relay Card					
Environment	Temperature Range	-10-50°C					
	Relative Humidity	0-958% (Non-condensing)					
	Acoustics Noise	<55dB@1 Meter					
Physicals	Dimension: WxDXH (mm)	190x323x420	190x323x368	190x323x420	190x323x368	190x323x420	190x323x368
	Weight: (kg)	10.8	7	16.5	7.3	18	7.9

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-200Li?



PLUG N PLAY



SINE WAVE



MULTIPLE
PROTECTION
TECHNOLOGY



LITHIUM
BATTERY
SUPPORT



DIGITAL
DISPLAY



ECO FRIENDLY



SERVICE/
TECH SUPPORT