

VP-200RLi SERIES

ABOUT THE PRODUCT:

Velox Power VP-200-RLi Rack Mount Series is a double-conversion online UPS with built-in and external lithium-ion batteries and a 0.9 output power factor. Its compact design and advanced DSP control enhance performance and reliability. The series features high-performance double-conversion technology, DSP control, and active input power factor correction up to 0.99.

MAIN FEATURES:

- Interactive LCD on the front panel for easy viewing of UPS features and fault codes.
- Provides up to 3x backup time compared to regular lead-acid UPS products.
- Supports 90~300VAC and 40~70Hz, ideal for areas with voltage fluctuations; built-in AVR ensures reliable power quality.
- Features cold start function (battery-only startup) and Economic Operation Mode (ECO).
- Includes a 4-state Li-ion battery charger (constant current, constant voltage, floating, turn-off) and customizable battery logic; generator compatible.
- Equipped with USB, RS232, intelligent slots, dry contact interface for BMS, and Modbus for BMS interface.
- Suitable for electricity, IT, communication, data centers, ATMs, transportation, medical and healthcare, mining, securities, and in-vehicle systems.

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



TECHNICAL SPECIFICATIONS FOR VP-200RLi SERIES

Model		VP-201RLi		VP-201RLi (S)		VP-202RLi		VP-202RLi(S)		VP-203RLi		VP-203RLi (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	0-95% (Non-condensing)											
	Acoustics Noise	<55dB@1 Meter											
Physicals	Dimension: WxDXH (mm)	438x88x400 (2U)				438x88x500 (2U)	438x88x400 (2U)	438x88x650 (2U)		438x88x400 (2U)			
	Weight: (kg)	12.5	6.5		21.6	6.8	24.5		8.2				

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 200RLi RACK MOUNT?



PLUG N PLAY



SINE WAVE



MULTIPLE
PROTECTION
TECHNOLOGY



LITHIUM
BATTERY
SUPPORT



DIGITAL
DISPLAY



ECO FRIENDLY



SERVICE/
TECH SUPPORT