



Wide input Range	
Power Factor	0.9 PFC
Double Conversion	VFI TYPE
Long Back-up	
IFR	
ECO	
Interface SNMP	
Hot swappable	

This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with one boost and one buck AVR to stabilize input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supply.

Our Online UPS supply seamless backup power during outages and unsafe voltage fluctuations, as well as provide protection from surges and spikes.

Although it's a small UPS, the main features of UPS are listed below:

FEATURES

- | Line Interactive UPS with simulated sinewave output
- | Excellent microprocessor control guarantees high reliability (Internal self-diagnostic technology)
- | Boost and buck AVR for voltage stabilization (One boost and one buck control)
- | Auto restart while AC is recovering
- | Cold start function
- | Off-mode charging
- | Fast intelligent battery recharge function
- | Offering LED and LCD panels for selections
- | Optional Generator compatible
- | Optional USB / RS232 communication port and RJ11 / RJ45 protection
- | AC input
- | Output socket
- | USB & RJ11 communication
- | USB & RS232 communication
- | RJ45

SPECIFICATIONS

Model	VL600	VL800	VL1000	VL1500	VL2000	VL3000
Capacity	600VA/360W	800VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2000VA/1200W
Input						
Nominal Input Voltage	110/120 Vac or 220/230/240 Vac					
Operating Voltage Range	81~145 Vac/162~290 Vac					
Operating Frequency Range	60/50Hz (Auto sensing)					
Output						
AC Voltage Regulation (Batt. Mode)	±10%					
Frequency Range (Batt. Mode)	60/50Hz ±1 Hz					
Transfer Time	Typical 2-6ms, 10ms Max.					
Waveform (Batt. Mode)	Simulated Sinewave					
Battery						
Battery Voltage	12Vdc			24Vdc		
Battery Type & Number	12 V/7Ah×1	12 V/9 Ah×1	12 V/7 Ah×2	12 V/7 Ah×2	12 V/9 Ah×2	12 V/9 Ah×2
Typical Recharge Time	4~6 hours recover to 90% capacity			6~8 hours recover to 90% capacity		
Indicators						
LED Display (LED version)	AC Mode, Battery Mode, Overload, Fault					
LCD Display (LCD version)	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Battery Low					
Protection						
Full Protection	Short circuit, Overload, Overcharge and overdischarge protection					
Alarm						
Battery mode	Sounding every 10 seconds					
Low Battery	Sounding every second					
Overload	Sounding every 0.5 second					
Battery Replacement Alarm	Sounding every 2 seconds					
Fault	Continuously sounding					
Management						
Communication port	USB or RS232(Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC)					
Operating Environment						
Humidity	0-90 % RH @ 0- 40°C (non-condensing)					
Noise Level	Less than 45dB					Less than 55dB
Physical						
Approx. Dimension (D×W×H)	298×101×142mm			353×149×162mm	380×158×198mm	
Approx. Net Weight	Approx. 4.3 kg	Approx. 4.9 kg	Approx. 7.8 kg	Approx. 8.4 kg	Approx. 10.1 kg	Approx. 10.5 kg
Safety	IEC/EN 62040-1; IEC/EN 60950-1					
EMC	IEC/EN 62040-2; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8					
Performance	IEC/EN 62040-3					

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

SPECIFICATIONS

Model	Micropower 2.4K	Micropower 3K
Capacity	2400VA/1440W	3000VA/1800W
Input		
Nominal Input Voltage	220/230/240Vac	
Operating Voltage Range	162~290Vac	
Operating Frequency Range	60/50Hz (Auto sensing)	
Output		
AC Voltage Regulation (Batt. Mode)	±10%	
Frequency Range (Batt. Mode)	60/50Hz ±1 Hz	
Transfer Time	Typical 2-6ms, 10ms Max.	
Waveform (Batt. Mode)	Simulated Sinewave	
Battery		
Battery Voltage	48Vdc	
Battery Type & Number	12 V/7Ah x 4	12 V/9Ah x 4
Typical Recharge Time	6~8 hours recover to 90% capacity	
Indicators		
LED Display(LED version)	N/A	
LCD Display(LCD version)	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Battery Low	
Protection		
Full Protection	Short circuit, Overload, Overcharge and Overdischarge protection	
Alarm		
Battery mode	Sounding every 10 seconds	
Low Battery	Sounding every second	
Overload	Sounding every 0.5 second	
Battery Replacement Alarm	Sounding every 2 seconds	
Fault	Continuously sounding	
Management		
Communication port	USB or RS232(Supports Windows ® 2000/2003/XP/Vista/2008, Windows ® 7, Linux, Unix, and MAC)	
Operating Environment		
Humidity	0-90 % RH @ 0- 40°C (non-condensing)	
Noise Level	Less than 55dB	
Physical		
Approx. Dimension (D×W×H)	436 × 145 × 212 mm	
Approx. Net Weight	Approx. 20kg	Approx. 23kg
Safety	IEC/EN 62040-1; IEC/EN 60950-1	
EMC	IEC/EN 62040-2; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8	
Performance	IEC/EN 62040-3	

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Two kinds of color LCD display



LED display



Optional Socket

- ① AC input
- ② Output socket
- ③ USB & RJ11 communication
- ④ USB & RS232 communication
- ⑤ RJ45



Rear Panel

ORDERING INFORMATION

Part No.	Description
VL600	Line interactive UPS, simulated sinewave; 600VA/360W, LED display; 140-300Vac, French cable plug. Without any communication port; plastic case. With one piece 12V/7AH battery; with 2 Universal sockets.
VL800	Line interactive UPS, simulated sinewave; 800VA/480W, LED display; 140-300Vac, French cable plug. Without any communication port; plastic case. With one piece 12V/9AH battery; with 2 Universal sockets.
VL1000	Line interactive UPS, simulated sinewave; 1000VA/600W, LED display; 140-300Vac, French cable plug. Without any communication port; plastic case. With Two pieces 12V/7AH battery, with 4 Universal sockets.
VL1500	Line interactive UPS, simulated sinewave; 1500VA/900W, LED display; 140-300Vac, French cable plug. Without any communication port; plastic case. With Two pieces 12V/9AH battery, with 4 Universal sockets.
VL2000	Line interactive UPS, simulated sinewave; 2000VA/1200W, LED display; 140-300Vac, French cable plug. Without any communication port; plastic case. With Two pieces 12V/9AH battery, with 4 Universal sockets.
VL3000	Line interactive UPS, simulated sinewave; 3000VA/1800W, LCD display; 140-300Vac, French cable plug. Without any communication port; Metal case. With 4 pieces 12V/9AH battery, with 4 Universal sockets.