

PowerWalker

Reliable Power Protection

2013 CATALOG



UNINTERRUPTIBLE POWER SUPPLY

www.powerwalker.com



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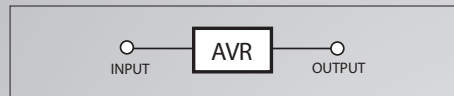
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Introduction to the Uninterrupted Power Protection Technologies

AVR Series

AVR TECHNOLOGY

The AVR system ensures a steady and constant power supply by automatically regulating the voltage at the appropriate level by the decline during the surge or the increase when voltage drops in the power line.

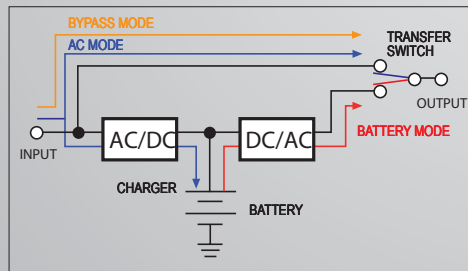


The AVR is designed to prevent damage to electrical equipment sensitive to voltage variations, such as domestic electrical equipment (TV, monitors, game consoles, audio / video equipment, telephony, etc.), prolonging the life of these.

VFD Series

OFF-LINE TECHNOLOGY

PowerWalker VFD (Voltage and Frequency Dependent) Series protect your computer equipment against power outages. It is equipped with overload and over discharge protection of battery, and overload at the output. It is reliable and has high performance with very low costs. PowerWalker VFD Series switches to battery



mode when the input voltage is not within the acceptable nominal voltage range. If the voltage returns to normal, the UPS will return to AC power. It is a simple and affordable solution for protecting your computer equipment. Furthermore, its design is very compact.

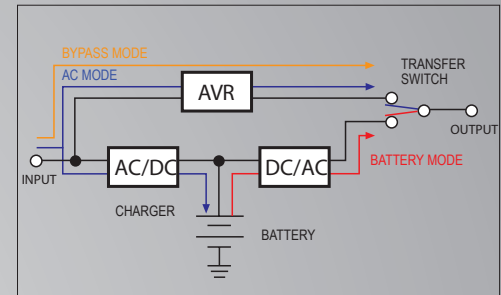
VI Series

LINE-INTERACTIVE TECHNOLOGY

The VI (Voltage Independent) Series of PowerWalker ensures stable and consistent power supply, thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. VI prevent from electrical damage to both professional and consumer electronic equipments.

AVR function also increases the lifespan of the battery. When the voltage is outside the acceptable range ($\pm 10V$ Nominal Voltage) the AVR will adjust the voltage at nominal value without having to go into battery mode. In case of exceeding the range of acceptable input voltage, the UPS switches to battery mode directly to prevent cuts and the consequent damage to the equipment connected to the output.

VI have a USB and most models also Serial (RS-232) port to connect the unit to a large number of



operating systems for maintenance and monitoring of voltage, power, battery status, programmed off, etc..

VI Series are specially designed to deliver a professional performance with medium loads at the output and very good value-cost relationship.

VFI Series

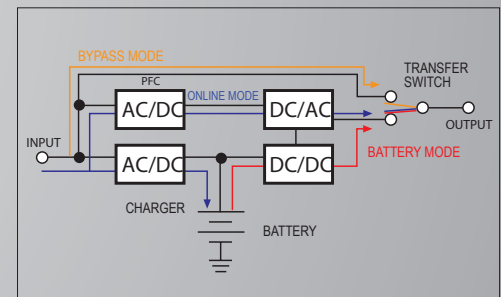
ON-LINE TECHNOLOGY

VFI (Voltage and Frequency Independent) Series of PowerWalker always provide clean of imperfections electric power thanks to the implementation of the On-Line technology.

VFI (Voltage and Frequency Independent) Series of PowerWalker are built with On-Line True Double Conversion Technology. In the first phase of conversion, the AC power at the input of the UPS becomes DC power. Then in the second phase, DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical current input and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time, in case of a total power failure at the entrance. In addition, the VFI Series of PowerWalker provide more reliable voltage regulation, with its tolerance between 1% and 3% of the nominal value.

VFI Series of PowerWalker have an USB and a Serial (RS-232) port to connect the unit to a large number of operating systems for maintenance, monitoring of voltage, power, battery status, shutdown programming, etc.



VFI Series of PowerWalker are specially designed for all professional applications. Especially for Industrial Applications, Data Processing Center (DPC), Cloud Computing, High Power Applications, Financial Services, Medical Centers, Critical Applications in general, etc..

Home/SMB UPS

600/650VA

750/800/850VA

1000VA

1200/1500VA

2000/2200VA

AVR | Series
Automatic Voltage Regulator



VFD | Series
Standby/Off-line



VI LED | Series
Line Interactive



VI LCD | Series
Line Interactive



VI LCD | Series
Line Interactive Pure Sine Wave



800VA

750VA

600/650VA

750/800/850VA

1000VA

1200/1500VA

2000/2200VA

AVR | Series

Automatic Voltage Regulator

- Stabilizes the mains voltage
- voltage Regulation through AVR
- Surge protection on phone line and modem
- 3 Schuko type outlets
- Compact and lightweight

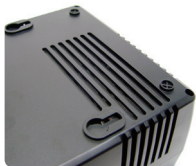
AVR Series ensures a steady and constant power, automatically regulating the voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line.

The AVR is designed to prevent damage in any electrical equipment sensitive to voltage variations, such as domestic electrical equipment (TV, monitors, game consoles, audio / video, telephony, etc.), prolonging the life of those.

Also recommended to protect low-power industrial equipment.



AVR 600/1000/1200



MODEL	AVR 600	AVR 1000	AVR 1200
Power (VA)	600VA	1000VA	1200VA
Power (W)	360W	600W	720W
INPUT			
Voltage Range	180-264Vac		
Frequency	50Hz		
OUTPUT			
Voltage	230Vac ±10%		
Voltage Regulator (AVR)	±8%		
Frequency	50Hz		
PROTECTION			
Protection	Output Overload, Shortcircuit, overheating		
LED INDICATORS			
AC mode	Green LED		
AVR (active)	Red LED		
CONNECTIONS			
Output	3x Schuko		
Protection Port	RJ11 in/out		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	166 x 161 x 86,7mm		
Colour	Black Colour		
Weight	1,7kg	1,9kg	2,1kg
ENVIRONMENT			
Temperature	0°C - 40°C		
Humidity	0 - 90% (non condensing)		
Noise level	< 40dB at 1 meter		
PACKAGE CONTENT			
	AVR PowerWalker 600, User Manual	AVR PowerWalker 1000, User Manual	AVR PowerWalker 1200, User Manual

VFD | Series

Standby/Off-line

- Off-Line Technology
- Supports APFC power supplies
- IEC sockets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery



PowerWalker VFD Series protect your computer equipment against power outages.

It is equipped with overload and over discharge protection of battery to prolong its life. It also protects against overload at the output. It has high performance and reliability with very low costs.

PowerWalker VFD Series switches to battery mode when the input voltage is outside the voltage range set. If the voltage returns to normal, the UPS will return to AC power.

It is a simple, compact and very affordable equipment to protect your computer and electronics.

VFD APFC 600/800

MODEL	VFD APFC 600	VFD APFC 800
Power (VA)	600VA	800VA
Power (W)	360W	480W
INPUT		
Voltage Range	180-270 Vac	
Frequency	50Hz	
OUTPUT		
Voltage Regulation	±10%	
Transfer Time	Typical 2-6 ms	
Waveform	Simulated Sine Wave	
PROTECTION		
Protection	Output Overload, Shortcircuit, overheating	
BATTERY		
Type & Number	12 V / 7 AH x 1	12 V / 9 AH x 1
Charging Time	8 hours recover to 90% capacity	
CONNECTIONS		
Output	2x IEC	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	228 x 82.5 x 207 (@ vertically stand)	
Colour	Black	
Weight	2,7kg	3.1kg
ENVIRONMENT		
Temperature	0°C - 40°C (non condensing)	
Humidity	0 - 90%	





VFD 600

VFD 1000

VFD 600

VFD 1000

- Off-Line Technology
- Schuko type sockets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge protection on phone line and modem
- Highly compact and lightweight

PowerWalker VFD Series protect your computer equipment against power outages.

It is equipped with overload and over discharge protection of battery to prolong its life. It also protects against overload at the output. It has high performance and reliability with very low costs.

PowerWalker VFD Series switches to battery mode when the input voltage is outside the voltage range set. If the voltage returns to normal, the UPS will return to AC power.

It is a simple, compact and very affordable equipment to protect your computer and electronics.

MODEL	VFD 600	VFD 1000
Power (VA)	600 VA	1000 VA
Power (W)	300 W	600 W
INPUT		
Voltage Range	170-280Vac	
Frequency Range	50Hz	
OUTPUT		
Voltage	230Vac ±10%	
Voltage Regulation (Battery Mode)	±10%	
Frequency	50Hz	
Frequency Regulation (Battery Mode)	±1Hz	
Transfer Time	2-6 ms	
AC mode to Battery mode	Modified Sinewave	
Waveform (Battery Mode)	Output Overload	
PROTECTION		
BATTERY		
Type	12V / 7Ah	
Quantity	1	2
Recharge Time	10h to 90% after complete discharge	
Protection	Battery Overload and Overdischarge	
CONNECTIONS		
Output	2x Schuko	3x Schuko
Protection Port	RJ11 in/out	
PRODUCT DETAILS		
Dimensions	231 x 81 x 185	
Depth x Width x Height (mm)	312 x 94 x 205	
Weight	3,1kg	6,7kg
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	
Noise level	< 40dB at 1 meter	



- Off-Line Technology
- IEC type sockets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery

PowerWalker VFD Series protect your computer equipment against power outages.

It is equipped with overload and over discharge protection of battery to prolong its life. It also protects against overload at the output. It has high performance and reliability with very low costs.

PowerWalker VFD Series switches to battery mode when the input voltage is outside the voltage range set. If the voltage returns to normal, the UPS will return to AC power.

It is a simple, compact and very affordable equipment to protect your computer and electronics.

VFD 600/800 IEC

MODEL	VFD 600 IEC	VFD 800 IEC
Power (VA)	600 VA	800 VA
Power (W)	360 W	480 W
INPUT		
Voltage Range	180-270Vac	
Frequency Range	50Hz	
OUTPUT		
Voltage Regulation	±10%	
Transfer Time	Typical 2-6 ms	
Waveform	Simulated Sine Wave	
BATTERY		
Type	12V / 7Ah	12V / 9Ah
Quantity	1	
Recharge Time	8 hours recover to 90% capacity	
CONNECTIONS		
Output	2x IEC	
PRODUCT DETAILS		
Dimensions	228 x 82.5 x 207	
Depth x Width x Height (mm)	2,7	
Weight (kg)	3,1	
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	





IEC type



Schuko type



French Schuko type



VI2200 Schuko type

VI2200 French Schuko type

- Line-Interactive Technology
- Automatic Voltage Regulator (AVR)
- 2 Schuko / 2 French / 4 IEC Type outlets (650/850 VA)
- 2x IEC Type + 2x Schuko / 2 French or 6 IEC Type outlet (1200/2200 VA)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- ECO mode for power saving
- Surge Filter protection for phone line and modem
- Communication USB
- WinPower software for controlling and monitoring

PowerWalker VI Series ensures steady and constant power thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. The VI Series of PowerWalker prevents electrical damage of professional equipment and consumer electronics at home.

AVR function also extends the battery life. When the voltage level is less than 10% of rated voltage the AVR set the voltage to the nominal level without having to go into battery mode, avoiding a cycle of loading and unloading.

In case of exceeding the range of input voltage, the UPS switches to battery mode directly to prevent cuts or surges and the consequent damage to the equipment connected to the output.

VI 650/850SE, VI 1200/2200 features a USB-port to connect the unit to a large number of operating systems for monitoring and voltage control, power, battery status, programmed off, etc.

VI Series of PowerWalker offers professional features for low and medium loads at the output, with a very good cost-benefit ratio. Especially recommended to protect computers, LCD TVs, game consoles, video surveillance cameras, etc..

MODEL	VI 650 SE	VI 850 SE	VI 1200	VI 2200
Power (VA)	650VA	850VA	1200VA	2200VA
Power (W)	360W	480W	600W	1100W
INPUT				
Voltage	230Vac			
Voltage Range	170-280Vac			
Frequency Range	50/60Hz (Auto)			
OUTPUT				
Voltage Regulation	230Vac ± 10 %			
Frequency Range	50/60Hz			
Transfer Time	Typical 4-8 ms			
AC mode to Battery mode	Typical 4-8 ms			
Waveform (Battery Mode)	Modified Sine wave			
Protection	Discharge, Overcharge and Overload Protection			
BATTERY				
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah
Quantity	1		2	
Recharge Time	6h to 90% after complete discharge			
Protection	Battery Discharge, Overcharge and Overload Protection			
CONNECTIONS				
Communications	USB		USB, RS-232	
Output	2x Schuko		2x Schuko, 2x IEC	
Protection Port	RJ11/RJ45 in/out			
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port			
PRODUCT DETAILS				
Dimensions	279 x 100 x 143		365 x 139 x 195	
Depth x Width x Height (mm)	279 x 100 x 143		365 x 139 x 195	
Weight	4,4kg	5,0kg	8,6kg	10,2kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	0 - 90% (non condensing)			
Noise level	< 40dB at 1 meter			< 45dB at 1 meter

VI LCD | Series

Line Interactive



- Line-Interactive Technology
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output Mode AC / Battery, Load Level, Battery Level
- 2 Schuko, 2 French or UK type outlets (650/850 VA)
- 2 IEC + 2 Schuko/French (1000 /1500/2000VA)
- 4 UK outlets (1000 VA), 5 UK outlets (1500/2000 VA)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- ViewPower software for controlling and monitoring

PowerWalker VI Series with Line-Interactive technology and informative LCD panel ensures a steady and constant power supply thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. VI Series of PowerWalker prevent electrical damage of professional equipment and consumer electronics at home.

AVR function also extends the battery life. When the voltage level is less than 10% of rated voltage the AVR set the voltage to the nominal level without having to go into battery mode, avoiding a cycle of loading and unloading.

In case of exceeding the range of input voltage, the UPS switches to battery mode directly to prevent cuts or surges and the consequent damage to the equipment connected at the output.

VI Series of PowerWalker offer a USB port to connect the unit to a large number of operating systems for monitoring voltage, power, battery status, programmed off, etc.

VI Series of PowerWalker offers professional features for low and medium loads at the output, with a very good cost-benefit ratio. Especially recommended to protect computers, LCD TVs, game consoles, video surveillance cameras, etc

VI 650/850/1000/1500/2000 LCD (Schuko, French, UK)



VI 1500/2000 LCD

Optional Accessories



VI 1000 LCD French Schuko

VI 1000 LCD

MODEL	VI 650 LCD	VI 850 LCD	VI 1000 LCD	VI 1500 LCD	VI 2000 LCD
Power (VA)	650VA	850VA	1000VA	1500VA	2000VA
Power (W)	360W	480W	600W	900W	1200W
INPUT					
Voltage Range	162-290Vac				
Frequency Range	50/60Hz (Auto)				
OUTPUT					
Voltage Regulation	230Vac \pm 10 %				
Frequency Regulation	50/60Hz \pm 1Hz				
Transfer Time	2-6 ms		4-8 ms		
AC mode to Battery mode	Modified Sinewave				
Waveform (Battery Mode)	Shortcircuit y Output Overload				
Protection					
BATTERY					
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah	
Quantity	1		2		2
Recharge Time	4-6 hours to 90% after complete discharge				
Protection	Discharge and Battery Overload				
CONNECTIONS					
Communications			USB		
Output	2x Schuko		2x Schuko, 2x IEC		
Protection Port	RJ11 in/out				
REQUIREMENTS AND SOFTWARE					
Software	ViewPower				
Ports	1x USB port				
PRODUCT DETAILS					
Dimensions	287 x 100 x 142		350 x 146 x 165	397 x 146 x 205	397 x 146 x 205
Depth x Width x Height (mm)					
Colour	Black				
Weight	4,3kg	5,0kg	8,0kg	10,7kg	11,6kg
ENVIRONMENT					
Temperature	0°C - 40°C				
Humidity	0 - 90% (non condensing)				
Noise level	< 40dB at 1 meter				



- Line-Interactive Technology
- Pure Sine Wave output
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output
- Mode AC / Battery, Load Level, Battery Level
- 4 IEC outlets (VI750/1000PSW), 6 IEC outlets (VI1500/2000PSW)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- ViewPower software for controlling and monitoring



Optional Accessories



With its high efficient digitalized PWM-based controller PowerWalker VI PSW series provides a pure sine wave output for best protection for sensitive equipment.

A comprehensive display allows monitoring the power status very easily.

Especially best suitable to protect modern PC like mini servers, gaming PC, point of sale (POS) systems and other electronic devices with APFC power supplies.

Not only limited to APFC power supplies and equipped with a voltage stabilizer, this UPS will continue providing clean and stable power to connected equipment and is perfect for any home or small and medium office application.

MODEL	VI 750 PSW	VI 1000 PSW	VI 1500 PSW	VI 2000 PSW
Power (VA)	750VA	1000VA	1500VA	2000VA
Power (W)	480W	700W	1050W	1400W
INPUT				
Voltage Range	162 - 290 Vac			
Frequency Range	50/60Hz ±1Hz		50/60Hz (Auto Sensing)	
OUTPUT				
Voltage Regulation	±10%			
Transfer Time	Typical 2-6 ms, 10 ms max.			
AC mode to Battery mode				
Waveform (Battery Mode)	Pure Sine Wave			
Protection	Short circuit and overload protection			
BATTERY				
Type	12V / 9Ah	12V / 7Ah	12V / 9Ah	12V / 10Ah
Quantity	1		2	
Recharge Time	6h to 90% after complete discharge			
Protection	Discharge, Overcharge, Overload and Short circuit protection			
CONNECTIONS				
Communications				
Output	4x IEC		6x IEC	
Protection Port	RJ11/RJ45 in/out			
REQUIREMENTS AND SOFTWARE				
Software	Viewpower			
Ports	1x USB port			
PRODUCT DETAILS				
Dimensions	350 x 146 x 160		397 x 146 x 205	
Depth x Width x Height (mm)				
Colour				
Weight	6.8kg	9.0kg	12.2kg	13.7kg
ENVIRONMENT				
Humidity	0 - 90% RH @ 0 - 40° C (non condensing)			
Noise level	< 40dB at 1 meter			

VI 600SW / 800SW

With its high efficient digitalized PWM-based controller PowerWalker VI PSW series provides a pure sine wave output for best protection for sensitive equipment.

A comprehensive display allows monitoring the power status very easily.

Especially best suitable to protect modern PC like mini servers, gaming PC, point of sale (POS) systems and other electronic devices with APFC power supplies.

Not only limited to APFC power supplies and equipped with a voltage stabilizer, this UPS will continue providing clean and stable power to connected equipment and is perfect for any home or small and medium office application.



- Line-Interactive Technology
- Pure Sine Wave Output
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output
- Mode AC / Battery, Load Level, Battery Level
- 3 IEC type outlets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- WinPower software for controlling and monitoring

MODEL	VI 600 SW	VI 800 SW
Power (VA)	600VA	800VA
Power (W)	360W	480W
INPUT		
Voltage Range	162-290Vac	
Frequency Range	50/60Hz (Auto)	
OUTPUT		
Voltage Regulation	± 10 %	
Frequency Regulation	50/60Hz	
Transfer Time	2-6 ms	
AC mode to Battery mode	Pure Sine Wave	
Waveform (Battery Mode)	Shortcircuit and Output Overload	
PROTECTION		
Type	12V / 7Ah	12V / 9Ah
Quantity	1	
Recharge Time	4h to 90% after complete discharge	
Protection	Discharge, Overcharge, Overload and Short circuit	
CONNECTIONS		
Communications	USB	
Output	3x IEC	
Protection Port	RJ11, RJ45 in/out	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port	
PRODUCT DETAILS		
Dimensions	328 x 100 x 145	
Depth x Width x Height (mm)	Black	
Colour	5.2kg	
Weigth	6.0kg	
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	
Noise level	< 40dB at 1 meter	

Overview Specs VI LED



MODEL	VI 650 SE	VI 850 SE	VI 1200	VI 2200
Power (VA)	650VA	850VA	1200VA	2200VA
Power (W)	360W	480W	600W	1100W
INPUT				
Voltage Range	170-280Vac			
Frequency Range	50/60Hz (Auto)			
OUTPUT				
Voltage Regulation	230Vac ± 10 %			
Frequency Regulation (Battery Mode)	50/60Hz			
Transfer Time	Typical 4-8 ms			
AC mode to Battery mode	Modified Sine Wave			
Waveform (Battery Mode)	Discharge, Overcharge and Overload Protection			
PROTECTION				
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah
Quantity	1		2	
Recharge Time	6h to 90% after complete discharge			
Protection	Battery Overload and Overdischarge			
LED INDICATORS				
AC mode	Green LED lighting			
Battery Mode	Green LED flashing			
AUDIO INDICATORS				
Battery Mode	Beep every 10 seconds			
Battery Low (Need Recharge)	Beep every second			
UPS Fault	Continuous beep			
Overload	Beep every 0,5 seconds			
CONNECTIONS				
Communications	USB			
Output	2x Schuko		2x Schuko, 2x IEC	
Protection Port	RJ11 in/out		RJ11/RJ45 in/out	
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port			
PRODUCT DETAILS				
Dimensions	279 x 100 x 143		365 x 139 x 195	
Depth x Width x Height (mm)	Black			
Colour	4,4kg	5,0kg	8,6kg	10,2kg
Weigth				
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	0 - 90% (non condensing)			
Noise level	< 40dB at 1 meter			
PACKAGE CONTENT				
	PowerWalker VI 650 SE, USB cable, Software CD, manual	PowerWalker VI 850 SE, USB cable, Software CD, manual	PowerWalker VI 1200, Input Power cable, IEC cable, USB cable, Software CD, manual	PowerWalker VI 2200, Input Power cable, IEC cable, USB cable, Software CD, manual
LOGISTIC DATA				
Package Dimensions	330 x 140 x 223	330 x 140 x 223	452 x 230 x 292	452 x 230 x 292
Depth x Width x Height (mm)	t.b.c.	t.b.c.	t.b.c.	t.b.c.
Weigth				

VI LCD | Series

Line Interactive

VI LCD | Series

Line Interactive Pure Sine Wave



MODEL	VI 650 LCD	VI 850 LCD	VI 1000 LCD	VI 1500 LCD	VI 2000 LCD	VI 600 SW	VI 800 SW	VI 750 PSW	VI 1000 PSW	VI 1500 PSW	VI 2000 PSW	
Power (VA)	650VA	850VA	1000VA	1500VA	2000VA	600VA	800VA	750VA	1000VA	1500VA	2000VA	
Power (W)	360W	480W	600W	900W	1200W	360W	480W	480W	700W	1050W	1400W	
INPUT						INPUT						
Voltage Range	162-290Vac					162-290Vac						
Frequency Range	50/60Hz (Auto)					50/60Hz (Auto)						
OUTPUT						OUTPUT						
Voltage Regulation	230Vac ± 10 %					230Vac ± 10 %						
Frequency Regulation	50/60Hz ± 1Hz					50/60Hz ± 1Hz						
Transfer Time	2-6 ms					2-6 ms		Typical 2-6 ms, 10 ms max.				
AC mode to Battery mode								Pure Sine Wave				
Waveform (Battery Mode)	Modified Sinewave					Short circuit and overload protection						
Protection	Output Overload											
BATTERY												
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah		12V / 7Ah	12V / 9Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah	12V / 10Ah	
Quantity	1		2			1		2				
Recharge Time	4h to 90% after complete discharge					4h to 90% after complete discharge		6h to 90% after complete discharge				
Protection	Battery Overload and Overdischarge					Discharge, Overcharge, Overload and Short circuit protection						
LCD INDICATOR												
	AC Mode, Battery Level, Output Load Level, Input Voltage, Output Voltage and Fault					AC Mode, Battery Level, Output Load Level, Input Voltage, Output Voltage and Fault						
AUDIO INDICATORS												
Battery Mode	Beep every 10 seconds					Beep every 10 seconds						
Battery Low (Need Recharge)	Beep every second					Beep every second						
UPS Fault	Continuous Beep					Continuous Beep						
Overload	Beep every 0,5 seconds					Beep every 0,5 seconds						
Battery Fault in AC mode (Need for replacement)	Beep every 2 seconds					Beep every 2 seconds						
CONNECTIONS												
Communications	USB					USB						
Output	2x Schuko		2x Schuko + 2x IEC		3x IEC			4x IEC		6x IEC		
Protection Port	RJ11 in/out					RJ11/RJ45 in/out						
REQUIREMENTS AND SOFTWARE												
Software	ViewPower					ViewPower						
Ports	1x USB port					1x USB port						
PRODUCT DETAILS												
Dimensions	287 x 100 x 142		350 x 146 x 165		397 x 146 x 205		328 x 100 x 145		350 x 146 x 160		397 x 146 x 205	
Depth x Width x Height (mm)												
Colour	Black					Black						
Weight	4,3kg	5,0kg	8,0kg	10,7kg	12,1kg	5,2kg	6,0kg	6,8kg	9,0kg	12,2kg	13,7kg	
ENVIRONMENT												
Temperature	0°C - 40°C					0°C - 40°C						
Humidity	0 - 90% (non condensing)					0 - 90% (non condensing)						
Noise level	< 40dB at 1 meter					< 40dB at 1 meter						
PACKAGE CONTENT												
	PowerWalker VI 650 LCD, CD Software, USB cable, User Manual	PowerWalker VI 850 LCD, CD Software, USB cable, User Manual	PowerWalker VI 1000 LCD, CD Software, USB cable, AC cable, User Manual	PowerWalker VI 1500 LCD, CD Software, USB cable, AC cable, User Manual	PowerWalker VI 2000 LCD, CD Software, USB cable, AC cable, User Manual	PowerWalker VI 600 SW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	PowerWalker VI 800 SW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	PowerWalker VI 750 PSW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	PowerWalker VI 1000 PSW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	PowerWalker VI 1500 PSW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	PowerWalker VI 2000 PSW, Input Power Cord, IEC-Cable C13/ C14, USB Cable, Control Software CD, Manual	
LOGISTIC DATA												
Package Dimensions	337 x 145 x 220		337 x 145 x 220		445 x 200 x 255		495 x 235 x 285		495 x 235 x 285		490 x 230 x 287	
Depth x Width x Height (mm)												
Weight	4,7kg	5,3kg	9,0kg	11,9kg	13,2kg	-	-	-	-	-	-	

Professional UPS

Hi-Power ⚡

1000VA 1500VA 2000VA 3000VA

1-1 PHASE

3-1 PHASE

6000VA 10000VA 10000VA 20000VA

VFI Tower

On-Line



VI Rack/Tower

Line Interactive 1-3 KVA

VFI Rack/Tower

On-Line 1-10 KVA



VFI Tower

On-Line



VFI Rack

On-Line

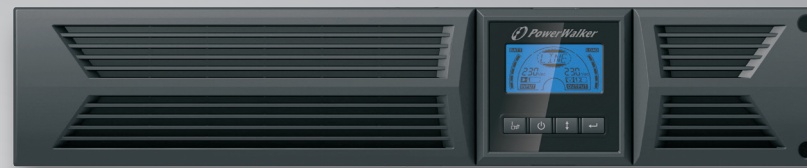


1000VA 1500VA 2000VA 3000VA

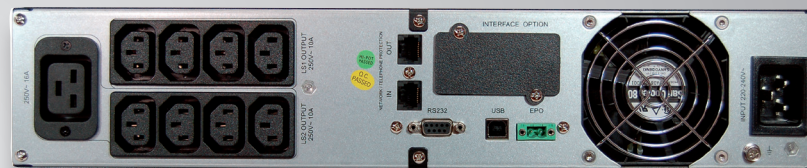
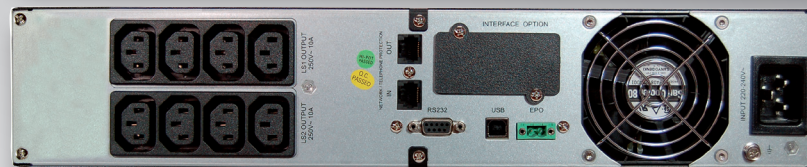
6000VA 10000VA 10000VA 20000VA

VI RT 1000/1500/2000/3000 & 1000E/RT

- 0.9 Output Power Factor
- Rack-Tower 2-in-1 Design
- Intelligent LCD Display
- Green Power Function
- High Frequency Topology
- Pure Sinewave Output
- Output THDV < 3%
- Selectable Line Sensitivity
- Swappable LCD Direction
- Extended Run Time
- Power Management Software
- Multi Communication Ports
- Optional SNMP and Relay Card
- Self-Monitoring and Fault Diagnosis
- Load Segments Control
- EPO Connector



VI 2000 RT LCD



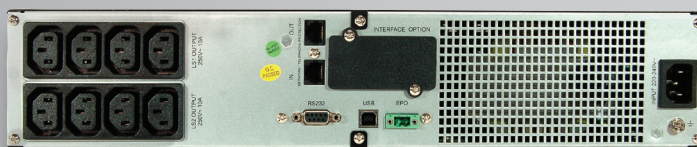
VI 3000 RT LCD

The PowerWalker VI RT LCD is a Line-Interactive UPS with pure sine wave, microprocessor control and designed for fulfilling high quality power protection demand. This series UPS can be used as tower or applied to standard 19" rack, and the 2U height design facilitates your whole system planning and installation.

Optional Accessories



VI 1000 E/RT LCD



VI 1000/1500RT LCD

MODEL	VI 1000E-RT LCD	VI 1000RT LCD	VI 1500RT LCD	VI 2000RT LCD	VI 3000RT LCD
Power	1000 VA / 900 W	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Voltage Range	161-276VAC				
Frequency Range	50/60Hz ±5Hz for Normal Mode / 40-70Hz for Generator Mode				
OUTPUT					
Voltage	208/220/230/240VAC				
Voltage Regulation (Batt. Mode)	±5%				
Frequency (Battery Mode)	50Hz or 60Hz				
Waveform (Battery Mode)	Pure Sine Wave				
BATTERY					
Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	2	3	3	6	6
Recharge Time	8h to 90%	3h to 90%	4h to 90%	3h to 90%	4h to 90%
AUDIO INDICATORS					
Battery Mode	Beep every 4 seconds				
Battery Low	Beep every second				
Overload	Doble Beep every second				
Fault	Continuous Beep				
LCD INDICATOR					
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault				
CONNECTIONS					
Communications	USB, RS-232 incl. dry-out contacts				
EPO (Emergency Power Off)	Yes				
Output	4x 10A IEC	8x 10A IEC			8x 10A IEC, 1x 16A IEC
REQUIREMENTS AND SOFTWARE					
Software	WinPower				
Ports	1x USB port or 1x Port RS-232				
PRODUCT DETAILS					
Dimensions	438 x 86.5 x 436				438 x 86.5 x 608
Width x Height x Depth (mm)					
Weight	15.0kg	17.8kg	17.8kg	27.8kg	27.8kg
ENVIRONMENT					
Humidity	20%-80% relative humidity (non-condensing)				
Temperature	0°C - 40°C				

VFI RT 1-3 kVA

- True On-Line Double Conversion Technology
- Dual Format Tower / Rack 19"
- Compact design (2U up to 3000VA)
- High output power factor of 0.9
- IEC outputs (programmable)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- Winpower software for control and monitoring

Specially suitable for:

- Data Processing Centers (DPC)
- Computer Systems for Small Business / Servers
- Industrial Applications
- Financial Systems
- Medical Centers

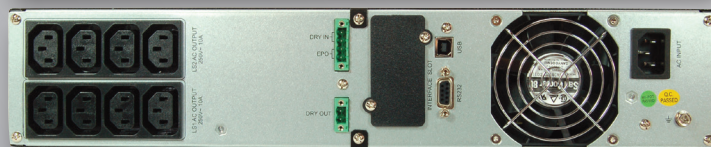


VFI 3000 RT LCD

Optional Accessories



VFI 1000/1500/2000 RT LCD



MODEL	VFI 1000RT LCD	VFI 1500RT LCD	VFI 2000RT LCD	VFI 3000RT LCD
Power	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Voltage Range	120-276VAC			
Frequency Range	45-66Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 (100% load)			
OUTPUT				
Voltage	208/220/230/240Vac ± 1%			
Frequency (Battery Mode)	50Hz / 60Hz ± 0.2Hz			
Current Crest Ratio	3:1			
Total Harmonic Distorsion	< 2 % THD (linear load)			
Transfer Time AC mode to Battery mode	Zero			
Transfer Time Inverter to Bypass	Zero			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah
Quantity	3	4	4	6
Recharge Time	3h to 90%			
AUDIO INDICATORS				
Battery Mode	Beep every 4 seconds			
Battery Low	Beep every second			
Overload	Doble Beep every second			
Fault	Continuous Beep			
LCD INDICATOR				
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault			
CONNECTIONS				
Communications	USB and RS-232 ports			
EPO (Emergency Power Off)	Yes			
Output	8x 10A IEC			8x 10A IEC, 1X 16A IEC
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	438 x 86,5 x 436	438 x 86,5 x 436	438 x 86,5 x 436	438 x 86,5 x 608
Weight	16,5kg	19,7kg	20,5kg	28,5kg
ENVIRONMENT				
Humidity	< 95% (non condensing)			
Temperature	0°C - 45°C			

VFI Series 6000/10000 VA

ON-LINE Technology



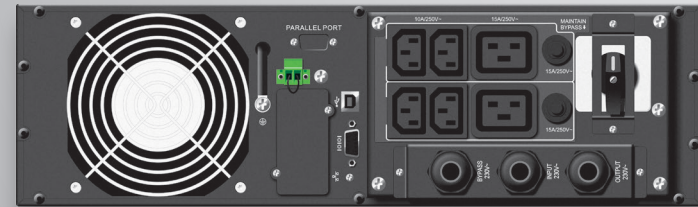
VFI 10000RT LCD

- True On-Line Double Conversion Technology
- Dual Format Tower / Rack 19 "
- Compact design, 3U (6KVA) / 5U(10KVA)
- High output power factor of 0.9
- IEC outputs (programmable) + block terminals
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- Winpower software for control and monitoring
- Integrated Manual Bypass Switch
- Specialy suitable for:
 - Data Processing Centers (DPC)
 - Computer Systems for Small Business / Servers
 - Industrial Applications
 - Financial Systems
 - Medical Centers



VFI 6000 RT LCD
(Tower Installation)

optional accessories



VFI 6000RT LCD
(19" Rack Installation)

MODEL	VFI 6000RT LCD	VFI 10000RT LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range	120-276 Vac	
Frequency Range	45-66Hz	
Phase	Single phase with ground	
Power Factor	≥ 0.99 (100% carga)	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency (Battery Mode)	50Hz / 60Hz ± 0.2Hz	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	< 2 % THD (linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter to Bypass	Zero	
Transfer Time Inverter to ECO Mode	1ms	
Transfer Time ECO Mode to Inverter	< 10ms	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type	12V / 5Ah	12V / 9Ah
Quantity	15	20
Recharge Time	3h to 90% after complete discharge	
AUDIO INDICATORS		
Battery Mode	Beep every 4 seconds	
Battery Low	Beep every second	
Overload	Doble Beep every second	
Fault	Continuous Beep	
LCD INDICATOR		
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault	
CONNECTIONS		
Communications	USB and RS-232 ports	
EPO (Emergency Power Off)	Yes	
Output	4x 10A IEC, 2X 16A IEC	8X 16A IEC
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	438 x 129 x 594	438 x 215,5 x 594
Weight	46,0kg	82,5kg
ENVIROMENT		
Humidity	<95% (non condensing)	
Temperature	0°C - 40°C	
Noise level	< 45dB at 1 meter	



- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 4/6/8 IEC type outlets (2/3/4 programmable)
- Terminal Out (VFI 3000 LCD only)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)

optional accessories



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

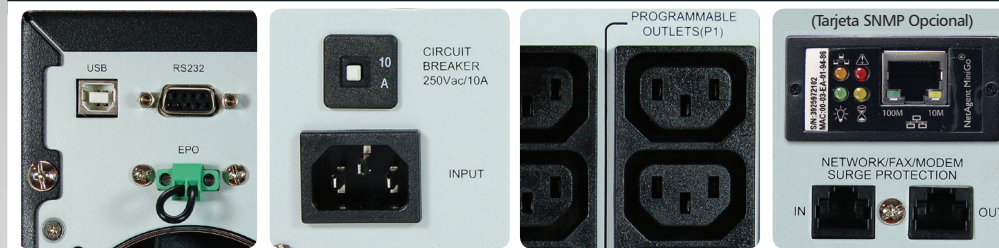
Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Series of PowerWalker provides more reliable voltage

regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..

VFI 1000/1500/2000/3000 LCD



MODEL	VFI 1000 LCD	VFI 1500 LCD	VFI 2000 LCD	VFI 3000 LCD
Power	1000VA / 800W	1500VA / 1200W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160Vac (100%-80%) / 140Vac (80%-70%) 120Vac (70%-60%) / 110Vac (60%-0%)			
Low Line Comeback Voltage above which the UPS switches to AC mode	175 Vac ± 5%			
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%			
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5%			
Frequency Range	40Hz ~ 70Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 @ 220~230 Vac			
OUTPUT				
Output Voltage (Configurable)	208/220/230/240Vac			
Voltage Regulation AC	± 3%			
Frequency Range (Configurable) (Frequency Converter Mode)	50Hz / 60Hz			
Frequency Range (Battery Mode)	50Hz ± 0.25Hz or 60Hz ± 0.3Hz			
Current Crest Ratio	3:1			
Total Harmonic Distortion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)		≤ 4 % THD (linear load) / ≤ 7 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero			
Transfer Time Inverter-Bypass	4 ms (Typical)			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	3		6	
Recharge Time	4h to 90%			
Charging Current	1.0 A (max.)			
Charging Voltage	41.0 Vdc ± 1%		82.0 Vdc ± 1%	
CONNECTIONS				
Communications	USB and RS-232 ports			
EPO (Emergency Power Off)	Yes			
Output	4x IEC (2 programmable output)		8x IEC (4 programmable output) + Terminal Output	
Protection Port	RJ11/RJ45 in/out			
WAGO	-		Yes	
REQUIREMENTS AND SOFTWARE				
Software	ViewPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	397 x 145 x 221		421 x 190 x 318	
Weight	13.6kg	14.6kg	26.5kg	29.5kg
ENVIRONMENT				
Temperature	0°C - 40°C		0°C - 40°C	
Humidity	20 - 90% (non condensing)		20 - 90% (non condensing)	
Noise level	< 45dB at 1 meter		< 45dB at 1 meter	

VFI Series 6000/10000 C

ON-LINE Technology

PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

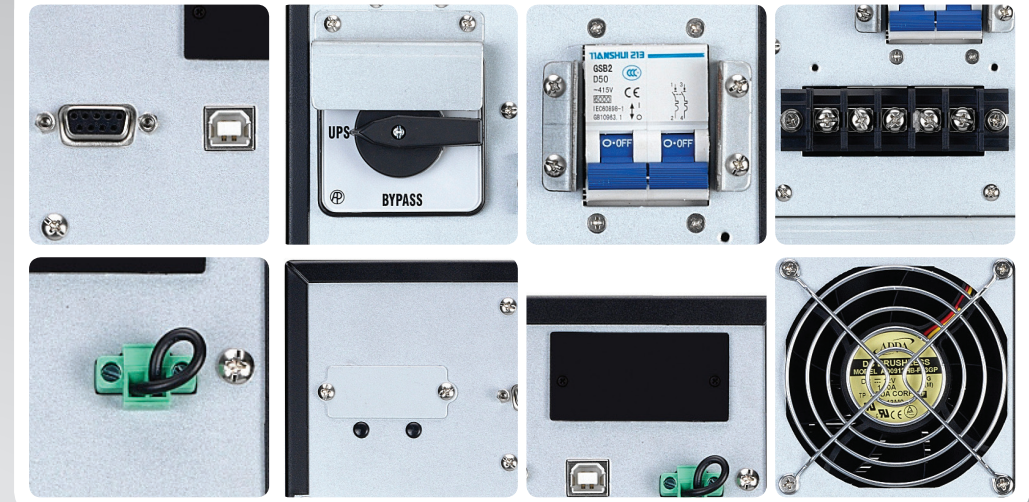


- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 1x Terminal block outputs
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)

optional accessories



VFI Series 6000/10000 C



MODEL	VFI 6000C LCD	VFI 10000C LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac ± 3% (50%) / 176 Vac ± 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	± 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz ± 0,1Hz or 60Hz ± 0,1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 9 Ah (16 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	9h -> 90%	
Charging Current	Default 1.0 A ± 10%, Max. 2.0 A ± 10%	
Charging Voltage	218.4 Vdc ± 1%	273.0 Vdc ± 1%
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	1x Output Terminals	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	369 x 190 x 688	442 x 190 x 688
Weight	72,0kg	82,0kg

VFI Series 1000/1500/2000/3000/6000/10000 VA (Tower)



MODEL	VFI 1000 LCD	VFI 1500 LCD	VFI 2000 LCD
Power	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W
INPUT			
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160 Vac / 140 Vac / 120 Vac / 110 Vac \pm 5 % (Carga al 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
Low Line Comeback Voltage above which the UPS switches to AC mode	175 Vac \pm 5 %		
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac \pm 5 %		
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac \pm 5 %		
Frequency Range	40Hz ~ 70Hz		
Phase	Single phase with ground		
Power Factor	\geq 0.99 @ 220~230 Vac		
OUTPUT			
Output Voltage (Configurable) Voltage Regulation AC	208/220/230/240Vac \pm 3%		
Frequency Range(Configurable) Frequency Converter Mode	50Hz / 60Hz		
Frequency Range (Battery Mode)	50Hz \pm 0.25Hz or 60Hz \pm 0.3Hz		
Current Crest Ratio	3:1		
Total Total Harmonic Distortion	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)		
Transfer Time AC mode to Battery mode	Zero		
Transfer Time Inverter-Bypass	4 ms (Typical)		
Waveform (Battery Mode)	Pure Sine Wave		
Overload	100%-110%: UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal. >130%: UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal.		
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 9 Ah (3 Pcs.)	12 V / 7 Ah (6 Pcs.)
Recharge Time	4h to 90%		
Charging Current	1.0 A (max.)		
Charging Voltage	41.0 Vdc \pm 1%		82.1 Vdc \pm 1%
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB and RS-232 ports		
EPO (Emergency Power Off)	Yes		
Output	4x IEC (2 programmable output)		8x IEC (4 programmable output)
Protection Port	RJ11/RJ45 (in/out)		
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	397 x 145 x 221	397 x 145 x 221	421 x 190 x 318
Weight	13,6kg	14,6kg	26,5kg
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 40°C		
Noise level	< 45dBA at 1 meter		
MANAGEMENT			
RS-232 or USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
SNMP (Option)	Remote UPS management by SNMP card via web application		
CONTENTS			
	PowerWalker VFI 1000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 1500 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 2000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual
LOGISTIC DATA			
Package Dimensions Depth x Width x Height (mm)	470 x 325 x 235	470 x 325 x 235	397 x 145 x 220
Weight	15,1kg	16,1kg	27,0kg



MODEL	VFI 3000 LCD	VFI 6000 LCD	VFI 10000 LCD
Power	3000 VA / 2400 W	6000 VA / 4800W	10000 VA / 8000 W
INPUT			
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160Vac/140Vac/120Vac/110Vac \pm 5% (Load 100-80%/80-70%/70-60%/60-0%)	110 Vac \pm 3 % (50% Load) or 176 Vac \pm 3 % (100% Load)	
Low Line Comeback Voltage above which the UPS switches to AC mode	175 Vac \pm 5 %	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac \pm 5 %	300 Vac \pm 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac \pm 5 %	Voltage High Line Loss - 10V	
Frequency Range	40Hz ~ 70Hz	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	Single phase with ground	
Power Factor	\geq 0.99 @ 220~230 Vac	\geq 0.99 @ 100% Load	
OUTPUT			
Output Voltage (Configurable) Voltage Regulation AC	208/220/230/240Vac \pm 3%	208/220/230/240Vac \pm 1%	
Frequency Range(Configurable) Frequency Converter Mode	50Hz / 60Hz	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz \pm 0.25Hz or 60Hz \pm 0.3Hz	50Hz \pm 0.1Hz or 60Hz \pm 0.1Hz	
Current Crest Ratio	3:1	3:1	
Total Total Harmonic Distortion	\leq 4 % THD (linear load) / \leq 7 % THD (non-linear load)	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)	
Transfer Time. AC mode to Battery mode		Zero	
Transfer Time. Inverter-Bypass		Zero	
Waveform (Battery Mode)		Pure Sine Wave	
Overload	100%-110%: audible warning 110%-130% UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal. > 130%: UPS shuts down immediately at bat- tery mode or transfer to bypass mode when the utility is normal.	100%-110%:10 min (AC mode) 110%-130%:1 min (AC mode) > 130%: 1 Sec. (AC mode)	
BATTERY			
Type (units.)	12 V / 9 Ah (6 Pcs.)	12 V / 9 Ah (16 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	4h to 90%	9h \rightarrow 90%	9h \rightarrow 90%
Charging Current	1.0 A (max.)	Default 1.0 A \pm 10%, Max. 2.0 A \pm 10%	
Charging Voltage	82.0 Vdc \pm 1%	218.4 Vdc \pm 1%	273.0 Vdc \pm 1%
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB and RS-232 ports + Intelligent Slot		
EPO (Emergency Power Off)	Yes		
Output	6x IEC (3 programmable output)	1x Output Terminals	
Protection Port	RJ-11 (in/out)		
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688
Weight	29,5kg	72.0kg	82.0kg
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 40°C		
Noise level	< 45dBA at 1 meter	< 55dBA at 1 meter	< 58dBA at 1 meter
MANAGEMENT			
RS-232 or USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
SNMP (Option)	Remote UPS management by SNMP card via web application		
CONTENTS			
	PowerWalker VFI 3000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 6000 LCD, CD Software, USB cable, User Manual	PowerWalker VFI 10000 LCD, CD Software, USB cable, User Manual
LOGISTIC DATA			
Package Dimensions Depth x Width x Height (mm)	555 x 325 x 465	690 x 370 x 690	690 x 370 x 690
Weight	35,1kg	88,0kg	90,0kg

VFI 1000/2000/3000T LCD



VFI 1000T

- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 3x IEC / 6x IEC / 4x IEC Output (1000/2000/3000VA)
- Terminal block Output (only 3000VA model)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- WinPower software (controlling & monitoring)

optional accessories



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Series of PowerWalker

provides more reliable voltage regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..



VFI 2000T

VFI 3000T

MODEL	VFI 1000T LCD	VFI 2000T LCD	VFI 3000T LCD
Power	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT			
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	176/165/110VAC ± 3% @ 100-75%/75-50%/60-0% load		
Low Line Comeback Voltage above which the UPS switches to AC mode	186/175/120VAC ± 3% @ 100-75%/75-50%/60-0% load		
High Line Transfer Voltage above which the UPS switches to battery mode	300VAC ± 3%		
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5 %		
Frequency Range	45Hz ~ 66Hz		
Phase	Single phase with ground		
Power Factor	≥ 0.99		
OUTPUT			
Output Voltage (Configurable)	208/220/230/240Vac		
Voltage Regulation AC	± 2%		
Frequency Range(Configurable)	45 ~ 55Hz or 54 ~ 66Hz		
Frequency Converter Mode	50/60Hz ± 0.2Hz		
Current Crest Ratio	3:1		
Total Total Harmonic Distortion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)		
Transfer Time AC mode to Battery mode	Zero		
Transfer Time Inverter-Bypass	< 4 ms (Typical)		
Waveform (Battery Mode)	Pure Sine Wave		
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 7 Ah (8 Pcs.)	12 V / 7 Ah (8 Pcs.)
Recharge Time	5h to 90%		
CONNECTIONS			
Communications	USB		
EPO (Emergency Power Off)	Yes		
Output	3x IEC	6x IEC	4x IEC, 1x Terminal
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	400 x 145 x 220	460 x 192 x 347	460 x 192 x 347
Weight	13kg	31kg	31kg
Fan Control	Always on, automatic speed control		
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 45°C		
Noise level	< 50dB at 1 meter		

VFI 6000/10000T



- True double-conversion with pure sine wave output
- Output power factor 0.9
- Parallel System configuration / parallel Redundancy
- Monitoring software included
- Wide input voltage range (110-276 VAC)
- Input power factor correction
- Input THDi <5%, Output THDv <2% @ linear load and <5% @ non-linear load
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- N+X Parallel Redundancy for up to 4 UPS of same size
- Smart battery charger to extend battery life
- Integrated maintenance bypass switch
- Optional: SNMP module, Battery Pack, Modbus card, Remote panel, AS/400 card

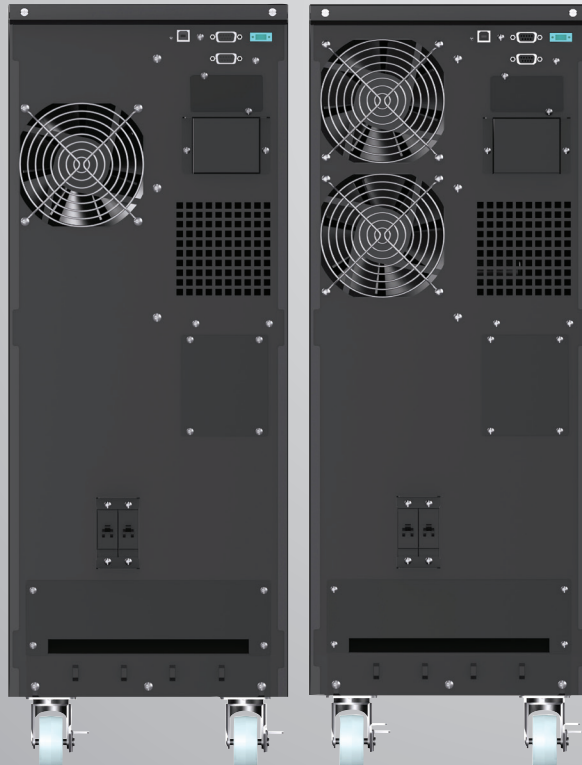
PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA. Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

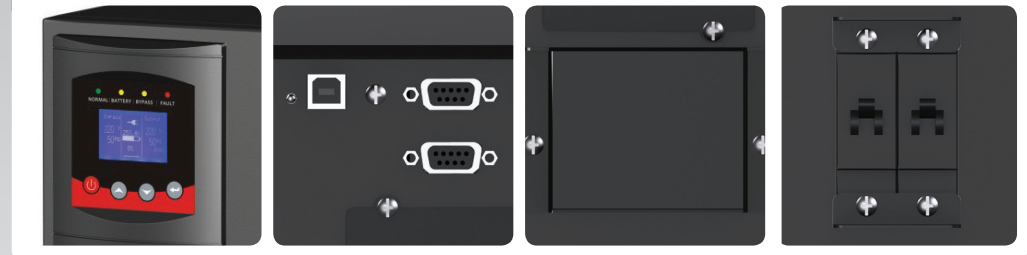
This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc



VFI 6000T

VFI 10000T

VFI 6000/10000T LCD



MODEL	VFI 6000T LCD	VFI 10000T LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range (based on voltage range)	110-276VAC	
Frequency Range	45-55Hz/54-66Hz	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency (Synchronized Range)	45-55Hz/54-66Hz	
Frequency (Battery Mode)	50/60Hz ± 0.05	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	≤ 2% (Full Linear Load) ≤ 5% (Full Non Linear Load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7.2 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	5h -> 90%	5h -> 90%
CONNECTIONS		
Communications	USB, RS-232 & Dry Contacts	
EPO (Emergency Power Off)	Yes	
Output	Terminal outlet	
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	550 x 260 x 708	
Weight	80kg	84kg
Fan Control	Always on, automatic speed control	
ENVIROMENT		
Humidity	20-90 % (non condensing)	
Temperature	0°C - 45°C	
Noise level	< 50dB at 1 meter	

New VFI Series 1000/1500/2000/3000/6000/10000 VA (Tower)



MODEL	VFI 1000T LCD	VFI 2000T LCD	VFI 3000T LCD
Power	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT			
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	176/165/110VAC ± 3% @ 100-75%/75-50%/60-0% load		
Low Line Comeback Voltage above which the UPS switches to AC mode	186/175/120VAC ± 3% @ 100-75%/75-50%/60-0% load		
High Line Transfer Voltage above which the UPS switches to battery mode	300VAC ± 3%		
High Line Comeback Voltage below which the UPS switches to AC mode	290VAC ± 3%		
Frequency Range	45Hz ~ 66Hz		
Phase	Single phase with ground		
Power Factor	≥ 0.99		
OUTPUT			
Output Voltage	220/230/240 VAC		
Voltage Regulation AC	± 2%		
Frequency Range	45 ~ 55Hz or 54 ~ 66Hz		
Frequency Converter Mode	45 ~ 55Hz or 54 ~ 66Hz		
Frequency Range (Battery Mode)	50/60Hz ± 0.2Hz		
Current Crest Ratio	3:1		
Total Total Harmonic Distortion	≤ 3% THD (linear load) / ≤ 5% THD (non-linear load)		
Transfer Time AC mode to Battery mode	Zero		
Transfer Time Inverter-Bypass	< 4 ms (Typical)		
Waveform (Battery Mode)	Pure Sine Wave		
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 7 Ah (8 Pcs.)	12 V / 9 Ah (6 Pcs.)
Recharge Time	5h to 90%		
Charging Current	1.0 A (max.)		
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB		
Output	3x IEC	6x IEC	4x IEC + Terminal
EPO (Emergency Power Off)	Yes		
Intelligent Slot	Yes		
Ext. Bat. connector	Yes		
REQUIREMENTS AND SOFTWARE			
Software	WinPower		
Ports	1x USB port		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	400 x 145 x 220	460 x 192 x 347	421 x 190 x 318
Weight	13kg	31kg	31kg
ENVIRONMENT			
Humidity	20-90% (non condensing)		
Temperature	0°C - 45°C		
Noise level	< 50dB at 1 meter		
MANAGEMENT			
USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
Options	SNMP/NMC Card, Battery Pack, Modbus card, AS/400 card, ATS, MBS		
CONTENTS			
	PowerWalker VFI 1000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual	PowerWalker VFI 2000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual	PowerWalker VFI 3000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual
LOGISTIC DATA			
Package Dimensions Depth x Width x Height (mm)	560 x 320 x 460		
Weight	15.0kg	33.0kg	33.0kg

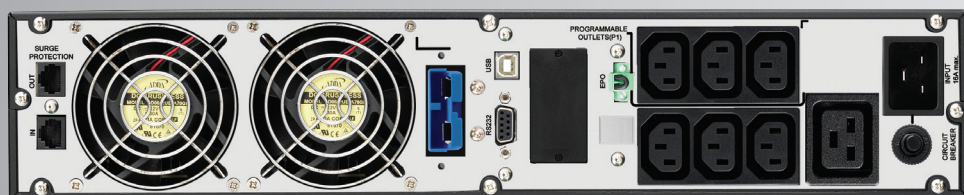
MODEL	VFI 6000T LCD	VFI 10000T LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range (based on voltage range)	110-276VAC	
Frequency Range	45-55Hz/54-66Hz	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency (Synchronized Range)	45-55Hz/54-66Hz	
Frequency (Battery Mode)	50/60Hz ± 0.05	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	≤ 2% (Full Linear Load) ≤ 5% (Full Non Linear Load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7.2 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	5h -> 90%	
AUDIO INDICATORS		
Battery Mode	Beep every 4 seconds	
Battery Low	Beep every second	
Overload	Doble Beep every second	
Fault	Continuous Beep	
LCD INDICATOR		
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault	
CONNECTIONS		
Communications	USB, RS-232 & Dry Contacts	
EPO (Emergency Power Off)	Yes	
Output	Terminal outlet	
Intelligent Slot	Yes	
Ext. Bat. connector	Yes	
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	550 x 260 x 708	
Weight	80kg	84kg
ENVIRONMENT		
Humidity	20-90% (non condensing)	
Temperature	0°C - 45°C	
Noise level	< 50dB at 1 meter	
MANAGEMENT		
USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC	
Options	SNMP/NMC Card, Battery Pack, Modbus card, AS/400 card, ATS, MBS	
CONTENTS		
	PowerWalker VFI 6000T LCD, EPO plug, USB cable, RS-232 cable, Software CD, manual	PowerWalker VFI 10000T LCD, EPO plug, USB cable, RS-232 cable, Software CD, manual
LOGISTIC DATA		
Package Dimensions Depth x Width x Height (mm)	720 x 428 x 970	
Weight	89kg	89kg

VFI 1000/1500/2000/3000 RM

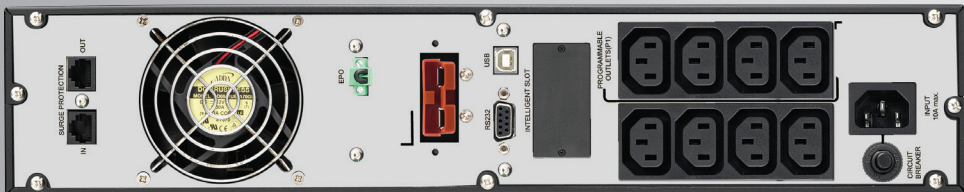


- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 8 IEC C13 type outlets (4 programmable) (1000/1500VA)
- 6 IEC C13 + 1 IEC C19 outlets (3 programmable) (2/3 kVA)
- Hot Swappable Battery Design
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)

optional accessories



VFI 2000RM / VFI 3000RM



VFI 1000RM / VFI 1500RM

PowerWalker VFI Rack series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in a first phase of conversion, the AC power at the UPS input becomes DC. Then in a second phase, the DC electricity is re-convertes to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Rack Series

of PowerWalker provides more reliable voltage regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI Rack series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI Rack series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..

VFI 1000/1500/2000/3000 RM



MODEL	VFI 1000RM LCD	VFI 1500RM LCD	VFI 2000RM LCD	VFI 3000RM LCD
Power	1000VA / 800W	1500VA / 1200W	2000VA / 1600W	3000VA / 2400W
INPUT				
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160/140/120/110VAC ± 5%			
Low Line Comeback Voltage above which the UPS switches to AC mode	170/150/130/120VAC ± 5%			
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%			
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5%			
Frequency Range	45Hz ~ 55Hz or 56Hz ~ 65Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 @ 220-230 VAC			
OUTPUT				
Output Voltage (Configurable)	208/220/230/240Vac			
Voltage Regulation AC	± 1 %			
Frequency Range (Configurable) (Frequency Converter Mode)	48 ~ 52Hz or 58 ~ 62Hz			
Frequency Range (Battery Mode)	50Hz ± 0.2Hz or 60Hz ± 0.2Hz			
Current Crest Ratio	3:1			
Total Harmonic Distortion	≤ 2% THD (Linear Load) 8% max. (Batt. Mode before shut down)			
Transfer Time AC mode to Battery mode	Zero			
Transfer Time Inverter-Bypass	4 ms (Typical)			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	3		6	
Recharge Time	4h to 90%			
CONNECTIONS				
Communications	USB and RS-232 ports			
Output	8x IEC (4 programmable output)		1x IEC C19 + 6x IEC C13 (3 programmable output)	
Protection Port	RJ-11/RJ/45 (in/out)			
EPO (Emergency Power Off)	Yes			
Intelligent Slot	Yes			
REQUIREMENTS AND SOFTWARE				
Software	ViewPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	438 x 480 x 88		438 x 600 x 88	
Weight	18.4kg	17kg	25.7kg	29kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	20 - 90% (non condensing)			
Noise level	< 50dB at 1 meter			

VFI 6000/10000R VA



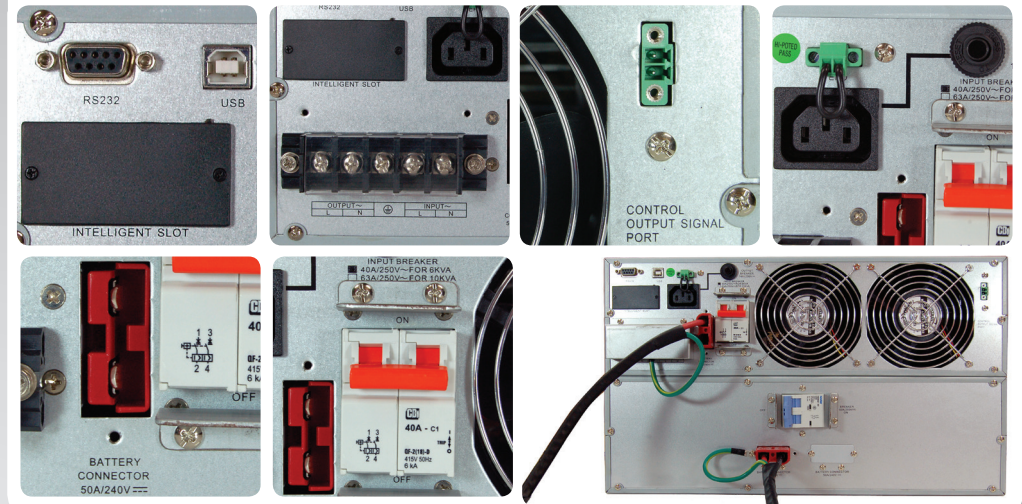
- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 1x Terminal block Output
- 1x IEC type outlet
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software for controlling and monitoring

optional accessories



ON-LINE Technology

VFI 6000/10000R LCD



PowerWalker VFI Rack series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, VFI Series PowerWalker rack provides the most reliable voltage regulation (1% of the nominal set).

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

MODEL	VFI 6000 R LCD	VFI 10000 R LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac ± 3% (50%) / 176 Vac ± 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	± 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz ± 0,1Hz or 60Hz ± 0,1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distortion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	7h to 90% after complete discharge	7h -> 90%
Charging Current	1.0 A (max.)	
Charging Voltage	273.0 Vdc ± 1%	
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	2x Output Terminal (1x Programable) + 2x IEC	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth(+handles) x Width x Height (mm)	650(+38) x 438 x 260	
Weight	81,5kg	83,5kg

VFI Series 1000/1500/2000/3000/6000/10000 VA (Rack)



MODEL	VFI 1000RM LCD	VFI 1500RM LCD	VFI 2000RM LCD	VFI 3000RM LCD
Power	1000VA / 800W	1500VA / 1200W	2000VA / 1600W	3000VA / 2400W
INPUT				
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160/140/120/110VAC ± 5%			
Low Line Comeback Voltage above which the UPS switches to AC mode	170/150/130/120VAC ± 5%			
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%			
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5%			
Frequency Range	45Hz ~ 55Hz or 56Hz ~ 65Hz			
Phase	Single phase with ground			
Power Factor	+/- 1Hz			
OUTPUT				
Output Voltage (Configurable)	208/220/230/240Vac			
Voltage Regulation AC	± 1 % (Batt. Mode)			
Frequency Range (Configurable) (Frequency Converter Mode)	48 ~ 52Hz or 58 ~ 62Hz			
Frequency Range (Battery Mode)	50Hz ± 0.2Hz or 60Hz ± 0.2Hz			
Current Crest Ratio	3:1			
Total Harmonic Distortion	≤ 2% THD (Linear Load) 8% max. (Batt. Mode before shut down)			
Transfer Time AC mode to Battery mode	Zero			
Transfer Time Inverter-Bypass	4 ms (Typical)			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	3		6	
Recharge Time	4h to 90%			
CONNECTIONS				
Communications	USB and RS-232 ports			
Output	8x IEC (4 programmable output)		1x IEC C19 + 6x IEC C13 (3 programmable)	
Protection Port	RJ-11/RJ/45 (in/out)			
EPO (Emergency Power Off)	Yes			
Intelligent Slot	Yes			
REQUIREMENTS AND SOFTWARE				
Software	ViewPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	438 x 480 x 88		438 x 600 x 88	
Weight	18.4kg	17kg	25.7kg	29kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	20 - 90% (non condensing)			
Noise level	< 50dB at 1 meter			

MODEL	VFI 6000 R LCD	VFI 10000 R LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac ± 3% (50%) / 176 Vac ± 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	± 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distortion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	7h to 90% after complete discharge	
Charging Current	1.0 A (max.)	
Charging Voltage	273.0 Vdc ± 1%	
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	2x Output Terminal (1x Programmable) + 2x IEC	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth(+ handles) x Width x Height (mm)	650(+38) x 438 x 260	
Weight	81,5kg	83,5kg

VFI Tower VFI 10000TCP 3/1

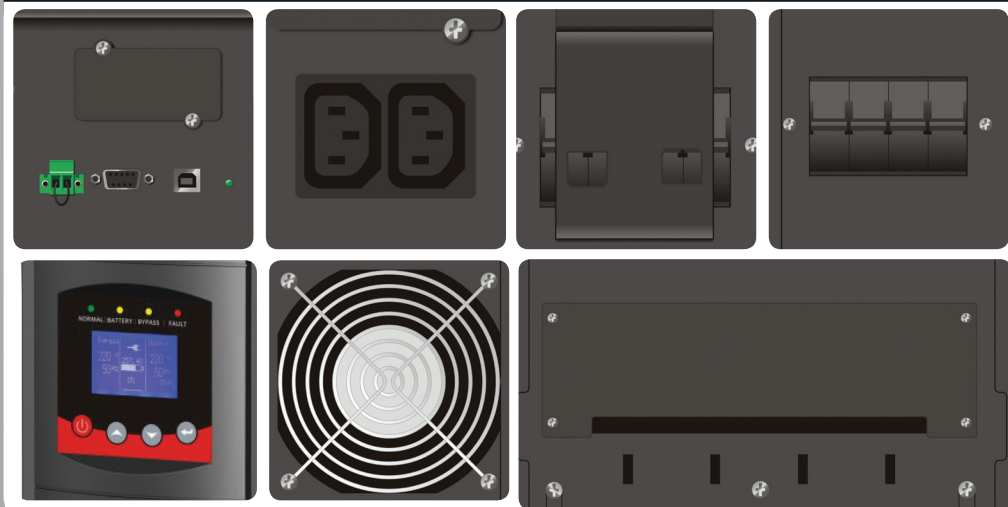
On-Line 3-1

VFI 10000/20000TP 3/1

- True double-conversion with pure sine wave output
- Output power factor 0.9
- Monitoring software included
- Wide input voltage range (110-276 VAC 1P in/ 190-478VAC 3P in)
- Input power factor correction
- Input THDi <5%, Output THDv <2%
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- N+X Parallel Redundancy for up to 4 UPS of same size
- Integrated maintenance bypass switch



VFI 10000TCP 3/1



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA. Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc



VFI 10000TP 3/1

VFI 20000TP 3/1

PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA / 80KVA Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

VFI Tower VFI 10000TCP 3/1 - VFI 10000/20000TP 3/1

On-Line 3-1

VFI 3-1 phase accessories and battery packs

MODEL	VFI 10000 TCP 3-1	VFI 10000 TP 3-1	VFI 20000 TP 3-1
Power	10000 VA / 9000 W	10000 VA / 9000 W	10000 VA / 18000 W
INPUT			
Voltage	230V / 400V		
Voltage Range single phase	110-276VAC single phase with ground (L-N-G)		
Transfer Voltage Range	Based on Load percentage 100%/50%		
Line low loss	176VAC/110VAC (±3%)		
Line low comeback	186VAC/120VAC (±3%)		
Line high loss	276VAC (±3%)		
Line high comeback	266VAC (±3%)		
Voltage Range three phase	190-478VAC three phase with ground (R-S-T-N-G)		
Transfer Voltage Range	Based on Load percentage 100%/50%		
Line low loss	305VAC/190VAC (±3%)		
Line low comeback	322VAC/208VAC (±3%)		
Line high loss	478VAC (±3%)		
Line high comeback	461VAC (±3%)		
THDi	<5% with full load		
Frequency Range	45-55Hz/54-66Hz		
Power Factor	≥ 0.99 at Full Load		
Generator Set	1.8 x UPS Rating Power		
OUTPUT			
Voltage	208/220/230/240 ± 1%		
Frequency (Synchronized Range)	45-55Hz/54-66Hz		
Frequency (Battery Mode)	50/60Hz ± 0.05%		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 2% (Full Linear Load)		
Waveform	Pure Sine Wave		
Overload Capability	5 min at 100-110% 1 min at 110-130% 10 sec at 130-150% 2 sec at >150%		
Parallel configuration	Up to 4 UPS of same size (optional parallel port required)		
TRANSFER TIME			
AC to DC	Zero		
Inverter to Bypass	Zero		
Inverter to ECO	Zero		
ECO to Inverter	<10ms		
BATTERY			
Type	12V / 9Ah		
Quantity	20x	24x in one string	48x in two strings of 24 pcs
Recharge Time	8h to 90%	3h to 90%	
BYPASS			
Bypass Before UPS Power-on	Default "No" Change to "Yes" via display panel		
Overload und UPS Failure	Automatically transfer to bypass		
By Setting	Voltage Rang: 176-276V ± 3%		
CONNECTIONS			
Communications	USB & RS232		
Outlets	2x IEC C13, Terminal outlet	Terminal outlet	
Intelligent Slot	Yes		
AS-400 Slot	Yes		
EPO (Emergency Power Off)	Yes		
Maintenance Switch	Yes		
REQUIREMENTS AND SOFTWARE			
Software	Winpower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions Depth (+ handles) x Width x Height (mm)	550 x 260 x 708	650 x 350 x 890	
Weight	85kg	127kg	188kg
Noise Level	< 55dB at front 1 Meter		
	0 - 95% (non-condensing) at 0°C - 40°C	0 - 95% (non-condensing) at 0°C - 45°C	



3-1 Phase Expanding Autonomy
Extend the Autonomy of your facilities in case of power outage by connecting one or more additional battery packs. The Battery Pack is configurable depending on the desired increased autonomy. The Battery Pack are specifically configured for PowerWalker VFI 3-1 Series.



AS-400 Card 3
Specific card to communicate systems with IBM AS-400 with VFI Series of PowerWalker or for other application if you need dry contact ports.



NMC card
The SNMP communication module enables monitoring, management and maintenance of the UPS PowerWalker from anywhere in the world, with only a computer with Internet access. The VFI Series of PowerWalker have the Intelligent Slot for inserting the card.



Modbus card
The Modbus communication module gives an easy and simple way to achieve remote monitoring and controlling of all the UPS in the same net at same time using the standardized Modbus-Protocol.



External Battery Charger
The additional battery charger allows to speed up the charging process especially when UPS is connected with additional battery packs. For VFI 10000TCP 3/1 available with external housing. For VFI 10000/20000TP 3/1 as charger board to implement into UPS.



BATTERY PACK
Expanding Autonomy

Expanding Autonomy
Extend the Autonomy of your facilities in case of power outage by connecting one or more additional battery packs. The Battery Pack is configurable depending on the desired increased autonomy. The Battery Pack are specifically configured for PowerWalker VFI Series.



GESTION REMOTA
SNMP / AS-400

SNMP card
The SNMP communication module enables monitoring, management and maintenance of the UPS PowerWalker from anywhere in the world, with only a computer with Internet access. The VFI Series of PowerWalker have the Intelligent Slot for inserting the card.



GESTION REMOTA
SNMP / AS-400

AS-400 Card
Specific card to communicate systems with IBM AS-400 with VFI Series of PowerWalker or for other application if you need dry contact ports.



BYPASS MANUAL
Función ECO

Maintenance Bypass Switch
Maintains power to devices connected to the UPS when it is disconnected from the system. It also has an ECO function for energy-saving.



BYPASS RACK 19" / Función ECO

Rack 19" Maintenance Bypass Switch
Maintains power to devices connected to the UPS when it is disconnected from the system. It also has an ECO function for energy-saving.



RAILES RACK 19"

Rails For Rack 19"
Allows installation of PowerWalker 19" Rack UPS inside a 19" cabinet.



IEC - SCHUKO
Adaptador

Schuko to IEC Adapter
Adapt IEC outlets (female) to Schuko sockets (female).



REDUNDANT PROTECTION Parallel Mode

PowerWalker VFI Tower Series offer the possibility of being connected in parallel offering two special configurations. Such configurations are known by the names of Redundant and Parallel modes.



Redundant Mode

In redundant configuration there are, at least, 2 units of UPS (it can be more) required. One of the UPS acts as main, delivering clean power, free of imperfections to the load connected to the UPS output. The second UPS is connected to the first, remaining in Hot-Standby situation. That is, if the first fails, the second would come into operation immediately. Furthermore, this configuration has the ability to give the installation twice autonomy, autonomy. This redundant design is recommended for critical applications where failure of a UPS may not result in the breakdown of the electric power system.

Parallel Mode

The second possible configuration, the parallel mode, allows summing power to the system. Thus, if we combine two 10000VA models, we would get the equivalent of 20000VA. If the setting out is of 4 units, the resulting power would be 40000VA. The maximum setting is 4 UPS.

Either configuration admits enlargement of autonomy, configurable depending on customer needs.



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