



PowerWalker

SAFEGUARD YOUR POWER



CATALOG

OFFLINE/ DC UPS

LINE-INTERACTIVE UPS

ONLINE SINGLE PHASE UPS

ONLINE THREE PHASE UPS

INVERTER/AVR



UNINTERRUPTIBLE POWER SUPPLY

www.powerwalker.com



**VISIT OUR
HOMEPAGE !**

BlueWalker GmbH is a German company founded in 2004. Since then, the company has established itself as a professional supplier of PowerWalker UPSs and has developed a comprehensive distribution network throughout Europe.



With a portfolio of over 300 models, BlueWalker GmbH offers a suitable solution for most UPS needs: from beginner-friendly systems for home environment, to high-performance and high-power systems for commercial usage. PowerWalker UPSs combine reliability and safety with energy efficiency, high connectivity and excellent price-performance. "PowerWalker, your reliable power protection"

Product Categories	Phase	Capacity (kVA)										
		0,5	1	2	3	10	20	50	300	500		
VFD	1/1	0,4 - 1										
VI Tower	1/1	0,4 - 3										
VI Rack	1/1	0,5 - 3										
VFI Tower	1/1		1 - 10				30					
VFI Rack	1/1		1 - 10				30					
VFI 3/1	3/1					10 - 20		60				
VFI 3/3	3/3					10 - 300					800	

Single Unit
 Parallel Mode

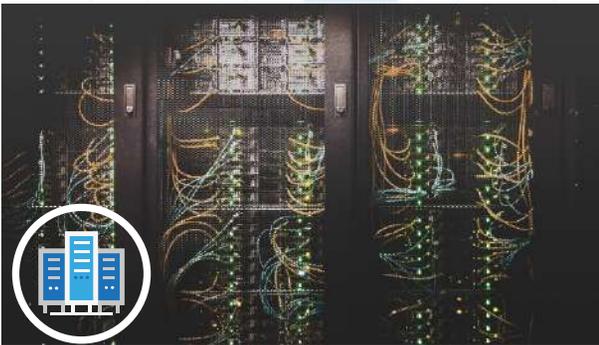
SCOPE OF APPLICATION



HOME APPLIANCES



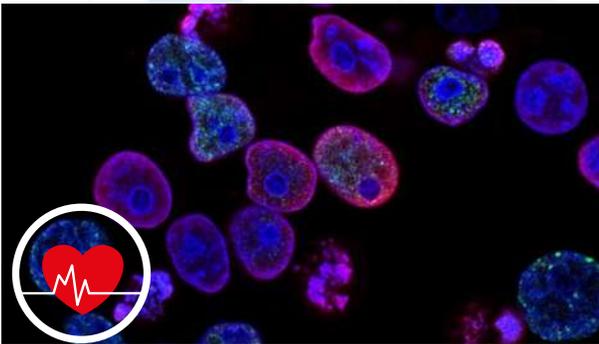
STORES & SHOPS



IT & DATA SOLUTION



OFFICE



MEDICAL EQUIPMENT



ENTERTAINMENT



EMERGENCY SITUATION

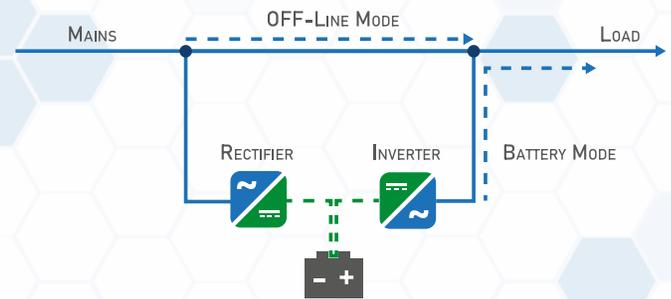


INDUSTRY & CONSTRUCTION

■ OFF-LINE

The PowerWalker VFD Products (Voltage and Frequency Dependent), also known as Off-Line or Stand-by UPS, are the basic idea of an uninterrupted power supply system. They can mainly protect your load against power failures.

- Installation is Easy and Quick
- Low Costs for Less Critical Loads

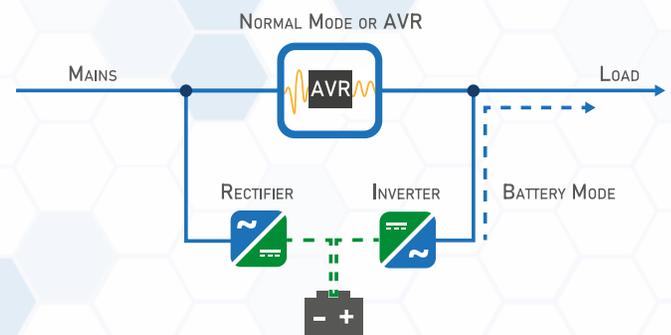


- Best solution for Home and Small Businesses

■ LINE-INTERACTIVE

The PowerWalker VI Products (Voltage Independent), also known as Line-Interactive UPSs, ensure uninterrupted and regulated output voltage. The built-in Automatic Voltage Regulator provides improved power output and is the main difference between Line-Interactive and Off-Line units.

- Designed for Moderate Load Levels
- Higher Protection and More Functions

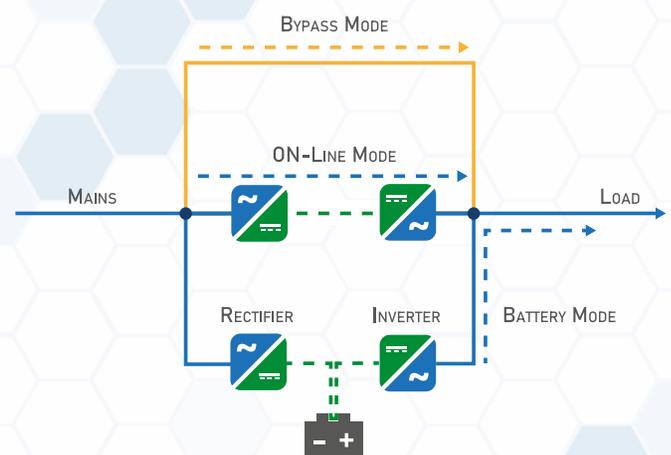


- AVR Mode for Voltage Regulation
- Low Power Consumption in Normal Mode

■ ON-LINE

The PowerWalker VFI Products (Voltage and Frequency Independent), also known as On-Line UPSs, always provide clean power. They have protection against all standard power problems in a network and they are built with a double-conversion technology which pre-converts all incoming AC, cleans it, and then supplies the load with a new AC generated by the UPS.

- Pure Sine Wave under all conditions
- Double-Conversion, Always a Clean Output



- Zero Transfer Times in Standard Operations
- For High-Power Demand and for Sensitive Equipment

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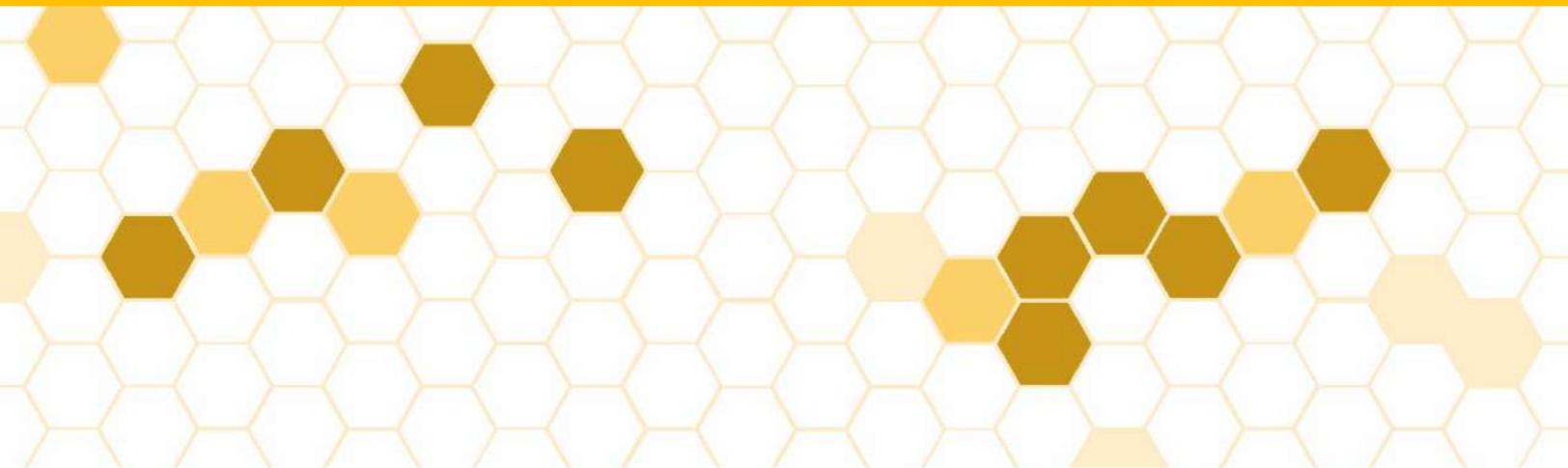
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3
PM

OFFLINE/DC UPS



SMART PoE UPS

- Active PoE standard 802.3af/802.3at
- 48VDC Output with load detection
- **Single Cable Input** (Data + Power) suitable for remote installations
- **High-performance Lithium Battery 36.5 Wh**
- A Wall-Mount Plate is included



PoE Camera with Recording Function



PoE Switch



When it comes to dedicated security and surveillance systems, connectivity issues may not only be caused by sporadic events (such as blackouts or network problems), but also intentional and malicious attacks.

PowerWalker Smart PoE UPS is a compact device, designed specifically to safeguard your PoE camera from loss of connection. It is powered and charged from a single PoE line (data + power), allowing the installation to be better cable managed.

With the PowerWalker Smart PoE UPS, you essentially transform each PoE camera with memory capacity into a security network with its own backup system.

Features	Values
Internet	10M/100M
Nominal Mode Output Voltage	37-57 VDC (PoE Standard)
Backup Mode Output Voltage	48VDC +/- 1%
Output Power	15.4W max
Acceptable Input Voltage	37-57 VDC
Input Power	30W Max
Battery Type	Li-ion 36.47W h / 14.4V
Backup Time	90min @ 15.4W / 180min @ 8W
Recharging Time	7h to 90%
POE Standard	802.3af / 802.3at
EMC	EN55032 Class B
LI Battery	IEC 62619
ME	ISTA 2A and EN60950
Operation Temperature	0 to 40 degC
Storage Temperature	-20 to 45 degC
IP (Ingress Protection Code)	IP 30

DC SECUREADAPTER



- Standard DC Coaxial connector (OD 5.5mm/ ID 2.5mm)
- Can be used globally with **Universal input range**
- **Compact Size** allows it to fit easily between other connectors.
- **LED Indicators** for UPS Status
- **Directly replace** original Power Supply
- 2.6Ah Lithium-Ion Battery
- Input Type C (Europlug)

PowerWalker DC SecureAdapter is universal solution for small electronics. The UPS provides 25W output on global standard of 12 VDC using coaxial DC connector (OD 5.5mm / ID 2.5mm).

Typical applications are routers and switches, signal amplifiers and repeaters, PoE systems, access points, security systems, smart home control panels, VoIP phones, IP cameras, modems, decoders, media players, medical monitors and many other 12VDC (max. 25W) devices.

The UPS is equipped with a 1m long cable, and its compact size allows placing in between other inconvenient plugs. The high-quality Samsung Lithium-Ion battery provides 3h backup time for a typical router.

Input Specifications	Values
Input Type	CEE 7/16 (Type C)
Nominal Input Voltage	230V AC
Input Voltage Range	90-264V AC
Input Frequency Range	50/60Hz
Surge Protection	1.5kV
Output Specifications	Values
Output	Coaxial DC Connector 5.5/3.5mm
Output Power	25W (2.1A)
Normal Voltage	12V DC +/-5%
Battery	Values
Type	9.6Wh Lithium-Ion 3.7V
Recharge Time	3h to 90%
Example Backup Time:	150 min @ 12V/1A Router
	90 min @ 12V/2A

VFD 600-800 APFC

- Supports Full Rating for APFC Devices
- Very Economic Backup Solution
- Easy User-Replaceable Battery Design
- Wall-Mountable



PowerWalker VFD APFC series is a standby/offline UPS for home and office applications, and it is equipped with a technology that supports the full use of the UPS's power, even when used with a APFC device.

Usually, it is required to oversize the UPS to ensure secure backup when connecting with a power load with "Active Power Factor Correction", APFC. Therefore, you can choose a smaller cost-effective UPS. Besides the lower purchase price, it also saves energy cost due to lower own power consumption.

Equipped with 6 outlets (all with surge protection, 4 with battery backup) these models can be used like a power strip. A special battery compartment enables an easy exchange of the rechargeable battery by the user.

General Features	Values	
Power Capacity	600VA/ 300W	800VA/ 420W
Output Power Factor	0.50	0.53
LINE Mode Full Load	95.0 %	
Input Specifications	Values	
Input Voltage Range	170-280 VAC	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	CEE 7/7	
Output Specifications	Values	
Nominal Output Voltage	230 VAC	
Voltage Regulation	+/- 10%	
Frequency (Battery Mode)	+/-1Hz	
Outlets (Type F or Type E)	6	
Battery Specifications	Values	
Batteries	1 x 12V/ 5Ah	1 x 12V/ 7Ah
Recharge Time	10h to 90%	
Full Load Backup Time	2 min	
Half Load Backup Time	8 min	
Transfer Time [AC to Battery]	2-8 ms	

VFD 600-1000 CEE 7/3



- Highly Compact and Lightweight
- Very Economic Backup Solution
- Your Plug and Play Solution



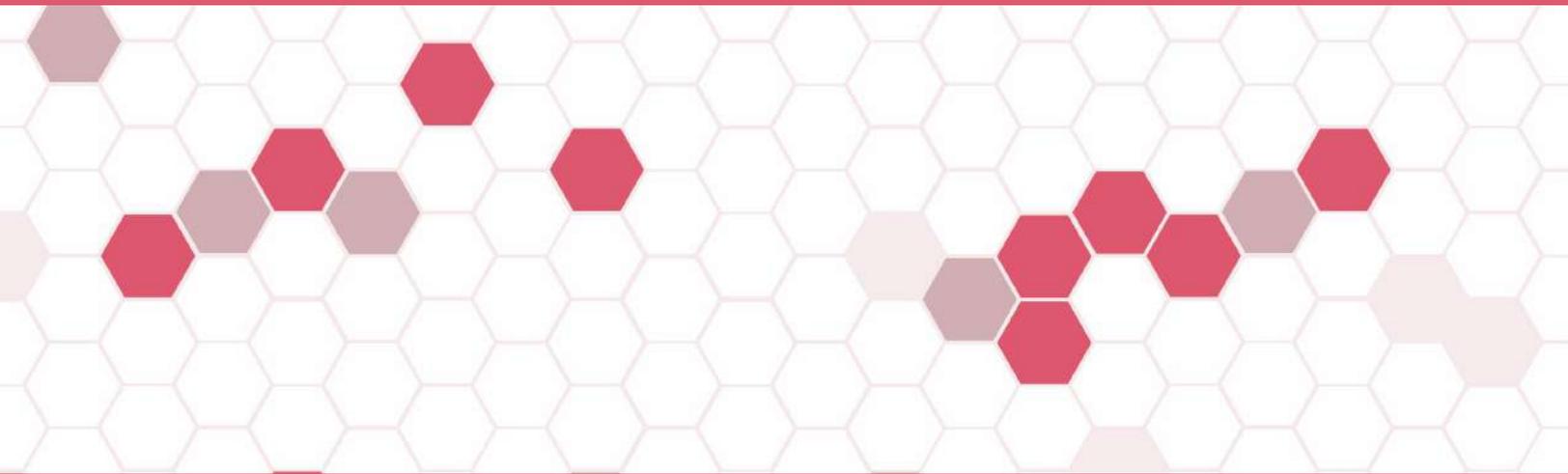
PowerWalker VFD 600-1000 CEE 7/3 series is a standby/offline UPS which provides secure protection, and reliable and cost-effective backup power. The UPS can be started up without AC power supplied. In addition, this UPS provides RJ11/RJ45 surge protection, and a green power function for energy saving options.

Its pro-active audible warning reminds you the abnormal condition. This UPS provides clean and stable power protection to connected equipment and it is perfect for home and small office application.

General Features	Values	
Power Capacity	600VA/ 300W	1000VA/ 600W
Output Power Factor	0.50	0.60
LINE Mode Full Load	99.0 %	
Input Specifications	Values	
Input Voltage Range	170-280 VAC	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	CEE 7/7	
Output Specifications	Values	
Nominal Output Voltage	230 VAC	
Voltage Regulation	+/- 10%	
Frequency (Battery Mode)	+/-1Hz	
Outlets (Type F)	2	3
Battery Specifications	Values	
Batteries	1 x 12V/ 7Ah	2 x 12V/ 7,2Ah
DC Voltage	1 x 12V	2 x 12V
Recharge Time	10h to 90%	
Full Load Backup Time	1 min	2 min
Half Load Backup Time	7.5 min	10 min
Transfer Time [AC to Battery]	2-6 ms	



LINE-INTERACTIVE UPS



BASIC VI 650-1000 SB

- Compact and Lightweight
- Equipped with a Boost and Buck AVR
- Cold (DC) Start Function



Type F Outlets



Type E Outlets



Type G Outlets



The PowerWalker Basic VI 650/850/1000 SB series is designed to answer the essential market needs. This Line-Interactive UPS will protect your load from power failures and voltage disturbances, while remaining affordable and compact. It is equipped with a USB port with HID support allowing an easy and direct communication with any O/S.



Model dependent



General Features	Values		
Power Capacity	650VA/ 360W	850VA/ 480W	1000VA/ 600W
Output Power Factor	0.55	0.56	0.60
LINE Mode Full Load	95.0%	96.0%	
Input Specifications	Values		
Input Voltage Range	162-290 VAC		
Frequency (Synchronized Range)	50Hz or 60Hz		
Input Type	CEE 7/7, IEC C14 or IEC C14 ^{UK}		
Output Specifications	Values		
Nominal Output Voltage	230 VAC		
Frequency (Battery Mode)	+/-1Hz		
Outlets [Type F, Type E or Type G]	2	3	
Battery Specifications	Values		
Batteries	1 x 12V/ 5Ah	1 x 12V/ 6Ah	2 x 12V/ 5Ah
DC Voltage	1 x 12V		2 x 12V
Charger	0.7 A		
Recharge Time	8h to 90%		
Full Load Backup Time	-		1 min
Half Load Backup Time	4.5 min	7 min	
Transfer Time [AC to Battery]	4 ms		

BASIC VI 600-2200 STL



- Human Interface Device (HID) supported
- Multi-purpose button (single-click, double-click or hold to control different functions)
- Equipped with Boost and Buck AVR to stabilize output voltage
- Auto dimming Screen



Model dependent



Type E Outlets

Type F Outlets

Type G Outlets

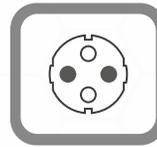
The PowerWalker Basic VI STL series is designed to answer the essential market needs. This Line Interactive UPS will protect your load from power failures and voltage disturbances, while remaining affordable and compact. It is equipped with a USB port with HID support allowing easy and immediate communication with any O/S.

Additionally, this series offers an advanced auto-dimming LCD panel with a smart multi-functional button (a single click will illuminate the LCD panel, a double click will mute the alarm and a long-press will control the output).

General Features	Values				
Power Capacity	600VA/ 360W	800VA/ 480W	1000VA/ 600W	1500VA/ 900W	2200VA/ 1320W
Output Power Factor	0.60				
LINE Mode Full Load	95.3%	96.7%	96.8%	95.8%	95.7%
Input Specifications	Values				
Input Voltage Range	162-290 VAC				
Frequency (Synchronized Range)	50Hz or 60Hz				
Input Type	CEE 7/7 or IEC C14 ^{UK}				
Output Specifications	Values				
Nominal Output Voltage	230 VAC				
Frequency (Battery Mode)	+/-1Hz				
Outlets	Type F or Type E (2) - Type G (3)			Type F, Type E or Type G (4)	
Battery Specifications	Values				
Batteries	1 x 12V/ 7Ah	1 x 12V/ 7.2Ah	1 x 12V/ 9Ah	2 x 12V/ 7,2Ah	2 x 12V/ 9Ah
DC Voltage	1 x 12V			2 x 12V	
Recharge Time	8h to 90%				
Half Load Backup Time	5 min		5.5 min	7.5 min	3.9 min
Transfer Time [AC to Battery]	4 ms				

VI 600-1000 MS

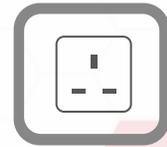
- Human Interface Device (HID) Compatible USB Connection
- Multi Socket Design
- Automatic Voltage Regulator
- USB charging Port (2.1A)
- Easy User-Replaceable Battery Design



Type E Outlets



Type F Outlets



Type G Outlets



The PowerWalker VI MS is a line-interactive UPS series with multiple sockets. 8 sockets that are surge protected, and 4 of these sockets have battery backup for critical loads. The integrated AVR function ensures clean and stable output during power outages or voltage fluctuations. The UPS functions can be monitored and controlled via USB communication, either with our software or without it (HID).

The multi socket design makes the VI MS series especially suitable for home and office applications. The UPS can be used on top of a desk, or it can be mounted to a wall. Applications include home office, workstations, NAS etc.

General Features	Values		
Power Capacity	600VA/ 360W	800VA/ 480W	1000VA/ 600W
Output Power Factor	0.60		
LINE Mode Full Load	95.3%	96.7%	96.8%
Surge Protection	156		
Input Specifications	Values		
Input Voltage Range	170-280 VAC		
Frequency (Synchronized Range)	50Hz or 60Hz		
Input Type	CEE 7/7 or IEC C14 ^{UK}		
Output Specifications	Values		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 7%		
Frequency (Battery Mode)	+/- 1Hz		
Outlets	Surge Protection: Type F, Type E or Type G (8)		
	Battery Backup: Type F, Type E or Type G (4)		
Battery Specifications	Values		
Batteries	1 x 12V/ 7Ah	1 x 12V/ 9Ah	
DC Voltage	1 x 12V		
Recharge Time	6-8h to 90%		
Half Load Backup Time	5.3 min	2.3 min	1.2 min
Transfer Time [AC to Battery]	6 ms typical 10 ms max.		

VI 600-3000 SCL



- Human Interface Device (HID) supported
- Touch Panel (allows to scroll through the parameters)
- Equipped with Boost and Buck AVR to stabilize output voltage



Model dependent



The PowerWalker VI SCL series offers a simple yet effective solution for PCs and other home applications. It is available with Type F (CEE 7/3), Type E (CEE 7/5) and Type G (BS 1363) outlets and features a microprocessor-controlled Automatic Voltage Regulator, which stabilizes voltage within a safe limit by switching to boost and buck modes. The series offers a convenient touch panel which allows you to scroll through most useful parameters.

All UPSs in this series can be turned on directly from battery (cold start function) and the internal batteries can be charged in standby mode. This model comes with a USB port with HID support and can be monitored and controlled using the PowerWalker ViewPower software (available for download from our website) or by directly using the O/S native drivers.

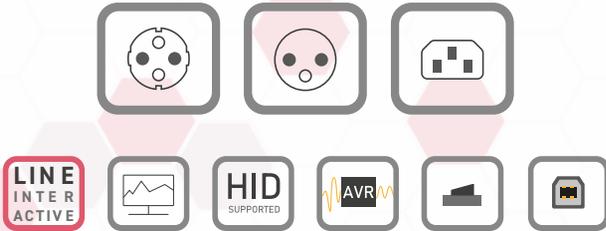
General Features	Values					
Power Capacity	600VA/ 360W	800VA/ 480W	1000VA/ 600W	1500VA/ 900W	2000VA/ 1200W	3000VA/ 1800W
Output Power Factor	0.60					
LINE Mode Full Load	94.0%					
Input Specifications	Values					
Input Voltage Range	162-290 VAC					
Frequency (Synchronized Range)	50Hz or 60Hz					
Input Type	IEC C14 or IEC C14 ^{UK}					IEC C20/ C20 ^{UK}
Output Specifications	Values					
Nominal Output Voltage	230 VAC					
Voltage Regulation	+/- 10%					
Frequency (Battery Mode)	+/- 1Hz					
Outlets	Type F, Type E or Type G (2)			Type F, Type E (4), or Type G (5)		
Battery Specifications	Values					
Batteries	1 x 12V/ 7Ah	1 x 12V/ 9Ah	2 x 12V/ 7Ah	2 x 12V/ 9Ah		
DC Voltage	1 x 12V			2 x 12V		
Recharge Time	4h to 90%			4h-6h to 90%		
Half Load Backup Time	6 min	3 min	5 min	6.5 min	3.7 min	4 min
Transfer Time [AC to Battery]	2-6 ms					

VI 650-2200 SH/ SHL

- Human Interface Device (HID) Compatible USB Connection
- Data Line Surge Protected: RJ45/ RJ11
- Automatic Voltage Regulator
- Fast charging (for a Line-Interactive UPS)
- Available with an LCD Display with the SHL Model



Model dependent



The PowerWalker VI SH / SHL provide a comprehensive protection and a high-power density in a small and economic package. It is 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 office application.

These series is equipped with a stronger charger that reaches 90% of the battery capacity in 2-4h. With a Human Interface Device (HID) support for USB communication it allows quick and easy setup with any operating system. In addition, this UPS provides RJ-11 surge protection.

Highlight of the PowerWalker VI SHL unit is the integrated LCD Display. Which lets you follow the usual UPS detailed information without the need of a second device to monitor the UPS.

General Features	Values			
Power Capacity	650VA/ 360W	850VA/ 480W	1200VA/ 600W	2200VA/ 1200W
Output Power Factor	0.55	0.56	0.50	0.55
LINE Mode Full Load	95.0%			
Input Specifications	Values			
Input Voltage Range	170-280 VAC +/-7%			
Frequency (Synchronized Range)	50Hz or 60Hz			
Input Type	CEE 7/7, IEC C14 or IEC C14 ^{UK}		IEC C14 or IEC C14 ^{UK}	
Output Specifications	Values			
Nominal Output Voltage	230 VAC			
Voltage Regulation	+/- 10%			
Frequency (Battery Mode)	+/- 1Hz			
Outlets	Type F or Type E (2) or IEC C13 (4)		Type F or Type E (2) + IEC C13 (2) or IEC C13 (6)	
Battery Specifications	Values			
Batteries	1 x 12V/ 7Ah	1 x 12V/ 9Ah	2 x 12V/ 7Ah	2 x 12V/ 9Ah
DC Voltage	1 x 12V		2 x 12V	
Recharge Time	4h to 90%			
Half Load Backup Time	6 min		11 min	5 min
Transfer Time [AC to Battery]	4-8 ms			

SIMULATED SINE WAVE & PURE SINE WAVE

WHAT IS THE DIFFERENCE?

The electricity supplied through the incoming AC line is a sine wave, therefore a pure sine wave output is the optimal waveform for electrical equipment.

When the UPS (VFI or VI products) is in normal mode, it passes the electrical sine wave received to the connected devices. If the UPS switches into battery mode, e.g., because of a utility failure, it either reproduces a “pure” sine wave or a simulated sine wave to the connected electronics.



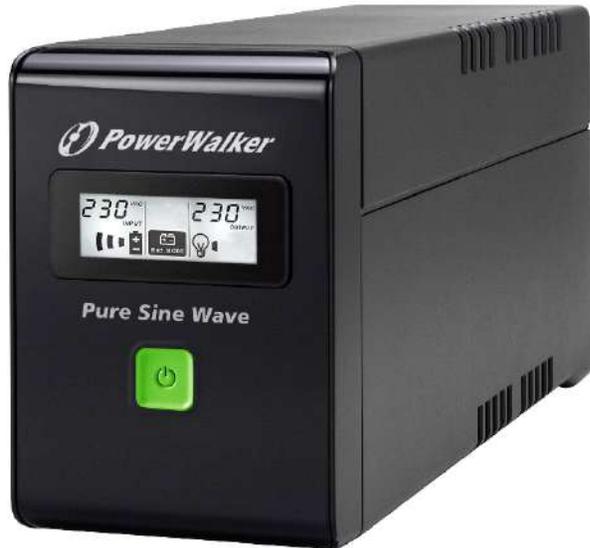
The **Pure Sine Wave** feature comes in handy when **sensitive equipment** is connected to the UPS. Sensitive equipment can range from a motor-based load to a home record player. Typical applications for pure sine wave UPS systems involve the **protection** of critical server, network, medical and telecommunications equipment or electronic equipment that is particularly sensitive to input power, such as lab test equipment.

A pure sine wave can **improve the performance and efficiency** of the connected equipment, or it will just let it work properly (simulated sine wave, on the other hand, can cause irregular operation of sensitive devices). Electronic equipment with Active PFC power supplies won't shut down unexpectedly when using a UPS with pure sine wave output, this could result in data loss or equipment damage. UPS systems that deliver pure sine wave output **prevent unexpected shutdowns and damaging electronic stress**.

The VFD Products (Voltage and Frequency dependent), can only produce simulated sine wave once they enter battery mode. The VI Products (Voltage independent), can produce simulated sine wave or they can reproduce a “pure” sine wave, only one or the other, it depends on the product. And finally, the VFI Products (Voltage and Frequency independent), will always reproduce a “pure” sine wave output.

VI 600-800 SW

- Pure Sine Wave Output
- Human Interface Device (HID) Compatible USB Connection
- Data Line Surge Protected: RJ45/ RJ11
- Automatic Voltage Regulator



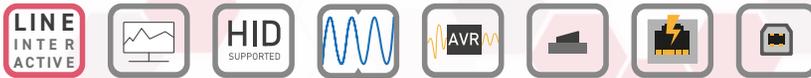
IEC Outlets



Type E Outlets



Type F Outlets



With its digitalized PWM-based controller, the PowerWalker VI SW provides a pure sine wave output. It is best suited to protect modern PCs, gaming PCs, mini-servers, point of sale systems (POS) and other electronic devices with APFC power supplies. It is equipped with a voltage stabilizer; this UPS will continue providing clean and stable power to the connected equipment, and it is perfect for any home or small and medium office business.

General Features	Values	
Power Capacity	600VA/ 360W	800VA/ 480W
Output Power Factor	0.60	
LINE Mode Full Load	97.0%	96.2%
Input Specifications	Values	
Input Voltage Range	162-290 VAC	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	CEE 7/7, IEC C14 or IEC C14 ^{UK}	
Output Specifications	Values	
Nominal Output Voltage	230 VAC	
Voltage Regulation	+/- 10%	
Frequency (Battery Mode)	+/- 1Hz	
Outlets	Type F, Type E (2) or IEC C13 (3)	
Battery Specifications	Values	
Batteries	1 x 12V/ 7Ah	1 x 12V/ 9Ah
Recharge Time	7h to 90%	
Half Load Backup Time	5 min	
Transfer Time [AC to Battery]	2-6 ms	

VI 600-1500 CSW

- Pure Sine Wave Output
- Easy User-Replaceable Battery Design
- Two USB Charging Ports (2.1A)
- Multifunction LDC Display with Auto-dimming
- Hot-Swappable Batteries

The PowerWalker VI CSW is a line-interactive UPS series with state-of-the-art technology and design. The integrated AVR function and pure sinewave output ensures clean and stable output during power outages or voltage fluctuations.

The modern and elegant design makes the VI CSW series especially suitable for home and office use. Applications include (but are not limited to) gaming and entertainment systems, office workstations, NAS etc.

Two USB charging ports (2.1A) in the front offers additional functionality and convenience. Furthermore, the design allows easy access to the battery compartment via the front panel for easy battery replacement.



IEC Outlets

Type F Outlets

Type E Outlets



General Features	Values				
Power Capacity	600VA/ 360W	800VA/ 480W	1000VA/ 600W	1200VA/ 720W	1500VA/ 900W
Output Power Factor	0.60	0.60	0.60	0.60	0.60
LINE Mode Full Load	98.4%				
Input Specifications	Values				
Input Voltage Range	170-280 VAC				
Frequency (Synchronized Range)	50Hz or 60Hz				
Input Type	CEE 7/7, IEC C14 or IEC C14 ^{UK}				
Output Specifications	Values				
Nominal Output Voltage	230 VAC				
Voltage Regulation	+/- 10%				
Frequency (Battery Mode)	+/-1Hz				
Outlets	Type F or Type E (4), IEC C13 (8)				
	with Battery Backup only: Type F or Type E (2), IEC C13 (4)				
Battery Specifications	Values				
Batteries	1 x 12V/ 7Ah	1 x 12V/ 9Ah	1 x 12V/ 10Ah	2 x 12V/ 7,2Ah	2 x 12V/ 9Ah
DC Voltage	1 x 12V			2 x 12V	
Recharge Time	6-8h to 90%				
Full Load Backup Time	2.5 min	3 min	2.18 min	2.5 min	3.5 min
Half Load Backup Time	9 min	10 min	7 min	9 min	10 min
Transfer Time [AC to Battery]	6ms typical; 10ms max.				

VI 1500-2000 GXB



- Pure Sine Wave Output for Professional Gaming needs
- Real-Time CPU Temperature, Speed and Load Level
- Data Line Surge Protected

Detachable Bluetooth LCD Display

2x USB Charger Ports for Mobile Devices (Type A/Type C)

Customizable LED Lighting with Full RGB Color Palette



The PowerWalker VI GXB is a premium line interactive UPS series with state-of-the-art technology and design. The integrated AVR function and Pure Sinewave Output ensures clean and stable output during power outages or voltage fluctuations. The UPS functions can be monitored and controlled via USB communication, either with a software or without (HID).

STAY IN THE GAME!



As a Gamer your primary concern will be the protection and continuity of your Gaming PC, your router and your monitor. By doing so you will be able to bridge short outages and keep playing or perform a safe shutdown during a longer interruption Furthermore, the UPS status can be color customizable so that you can visually recognize in which mode the UPS is.

TECHNICAL SPECIFICATIONS

MODEL	VI 1000 GXB	VI 1500 GXB
Power (VA)	1000VA	1500VA
Power (W)	600W	900W
INPUT		
Voltage	220/230/240 VAC	
Voltage Range	162-290 VAC	
Frequency Range	50/60Hz ± 5Hz (Auto sensing)	
OUTPUT		
Voltage Regulation	±10 %	
Frequency Range	50/60Hz	
Transfer Time AC to Battery	Typical 6 ms, max. 10 ms	
Waveform (Bat. Mode) Protection	Pure Sine Wave Discharge, Overcharge and Overload Protection	
BATTERY		
Type	1x 12V / 9Ah	2x 12V / 9Ah
Recharge Time	6-8h to recover 90% of Battery charge	
Protection	Battery Discharge, Overcharge and Overload Protection	
CONNECTIONS AND COMMUNICATION		
Output	4x Type F or 4x Type E or 8x IEC C13	
Protection Port	RJ11/RJ45 (Ethernet Surge Protection)	
Software	ViewPower	
Communication Ports	1x USB port with HID support	
Charger Ports	1x USB port + 1x USB-C port 5V/3.0A (shared)	

VI 1100-3000 CW

- Pure Sine Wave Output
- Human Interface Device (HID) Compatible USB Connection
- Automatic Voltage Regulator
- Includes an Intelligent Slot
- It has a Programmable Segment
- Battery Packs available!

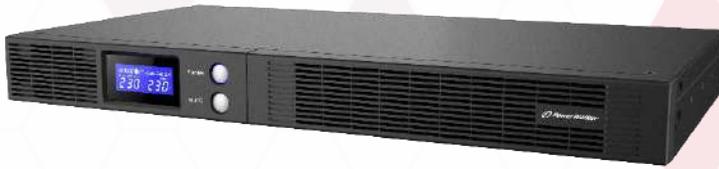


The PowerWalker VI CW is an advanced line-interactive UPS series with pure sine wave output. Combined with the AVR function for voltage stabilization, this UPS series will provide clean and stable power to the connected equipment. While designed for home and office use, this UPS will also safeguard more sensitive IT and network devices, as well as high-end PC systems.

The programmable outlets and comprehensive LCD display present a high degree of functionality and flexibility that are rarely found in other Line-Interactive solutions. Additionally, this series offers a variety of communication options, such as USB communication with software or without software (HID), or even communication via an optional network card (SNMP).

General Features	Values			
Power Capacity	1100VA/ 770W	1500VA/ 1050W	2000VA/ 1400W	3000VA/ 2100W
Output Power Factor	0.70			
LINE Mode Full Load	96.0%			
Battery Mode Full Load	88.0%		90.0%	
Charger	1.4A			
Input Specifications	Values			
Input Voltage Range	162-290 VAC			
Frequency (Synchronized Range)	50Hz or 60Hz			
Input Type	IEC C14 or IEC C14 ^{UK}		IEC C20 or IEC C20 ^{UK}	
Output Specifications	Values			
Nominal Output Voltage	208/220/230/240 VAC			
Voltage Regulation	+/- 1.5%			
Frequency (Battery Mode)	+/- 1Hz			
Outlets	Type F or Type E (3), or IEC C13 (8)			
Battery Specifications	Values			
Batteries	2 x 12V/ 7Ah	2 x 12V/ 9Ah	4 x 12V/ 7Ah	4 x 12V/ 9Ah
DC Voltage	2 x 12V		4 x 12V	
Recharge Time	4h to 90%			
Full Load Backup Time	2 min	1.5 min	2.5 min	1.5 min
Half Load Backup Time	7 min	4 min	8 min	4 min
Transfer Time [AC to Battery]	2-6ms			

VI 500-1500 R1U



- Pure Sine Wave Output
- Human Interface Device (HID) supported
- Slim 1U design
- Includes a Intelligent Slot



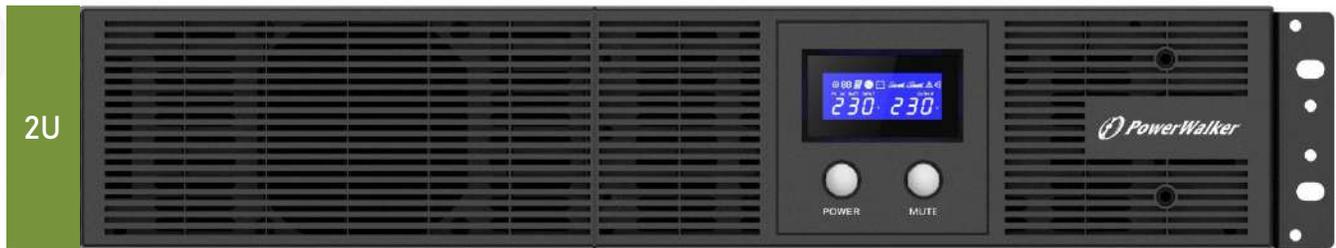
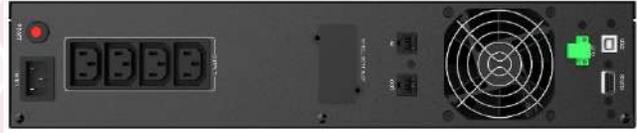
The PowerWalker VI R1U is a line interactive 1U rack UPS solution. Thanks to its 1U design, the UPS fits in nearly every setting, and fits perfectly for applications where space is a main concern (they also have a very low-depth, only 216 mm for the smaller models). It is equipped with pure sine wave output, and it includes an intelligent card slot for network cards, so that even sensitive and critical loads can be kept safe.

Considering that the fan is completely switched off in normal operation and the LCD dims out automatically, neither noise nor LCD lighting will disturb you. The PowerWalker VI R1U is a flexible all-rounder for home and semi-professional environments.

General Features	Values			
Power Capacity	500VA/ 300W	750VA/ 450W	1000VA/ 600W	1500VA/ 900W
Output Power Factor	0.60			
LINE Mode Full Load	95.0%			
Charger	1A			
Input Specifications	Values			
Input Voltage Range	165-290 VAC			
Frequency (Synchronized Range)	50Hz or 60Hz			
Input Type	IEC C14 or IEC C14 ^{UK}			
Output Specifications	Values			
Nominal Output Voltage	230 VAC			
Voltage Regulation	+/- 10%			
Frequency (Battery Mode)	+/- 0.5Hz			
Outlets	IEC C13 (4)			
Battery Specifications	Values			
Batteries	2 x 6V/ 7Ah	2 x 6V/ 9Ah	4 x 6V/ 7Ah	4 x 6V/ 9Ah
DC Voltage	2 x 6V		4 x 6V	
Recharge Time	8h to 90%			
Half Load Backup Time	10.3 min	8.7 min	10.3 min	8.7 min
Transfer Time [AC to Battery]	4ms			

VI 1200-3000 RLE

- Pure Sine Wave Output
- Human Interface Device (HID) Compatible USB Connection
- Automatic Voltage Regulator
- Includes an Intelligent Slot
- Data Line Protection Port
- Fully Automatic and Silent Operation



The PowerWalker VI 1200-3000 RLE is a compact 2U line-interactive series with rack design. The unit provides Pure Sine Wave output with voltage regulation, offering optimal protection for small motor-based loads and servers with APFC power supplies. The USB port features HID support, which allows native communication with nearly all common operating systems – removing the need for installing additional software.

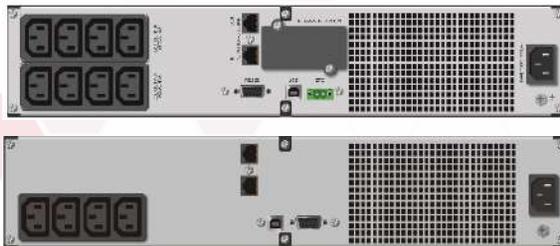
Improved internal heat dissipation makes sure the UPS runs silently during standard operation. A comprehensive LCD panel provides all the necessary information and will auto-dim after a few seconds. These features make the UPS series an attractive solution for home use as well.

General Features	Values		
Power Capacity	1200VA/ 720W	2200VA/ 1320W	3000VA/ 1800W
Output Power Factor	0.60		
LINE Mode Full Load	98.0%		
Charger	1A	2A	
Input Specifications	Values		
Input Voltage Range	165-290 VAC		
Frequency (Synchronized Range)	50Hz or 60Hz		
Input Type	IEC C14 or IEC C14 ^{UK}		IEC C20 or IEC C20 ^{UK}
Output Specifications	Values		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 10%		
Frequency (Battery Mode)	+/- 0.5Hz		
Outlets	IEC C13 (4)		IEC C13 (8)
Battery Specifications	Values		
Batteries	2 x 12V/ 7,2Ah	2 x 12V/ 9Ah	4 x 12V/ 7,2Ah
DC Voltage	2 x 12V		4 x 12V
Recharge Time	4h to 90%		
Full Load Backup Time	3.1 min	1.1 min	1.3 min
Half Load Backup Time	11.5 min	7.1 min	7.4 min
Transfer Time [AC to Battery]	4ms		

VI 1000-3000 RT HID



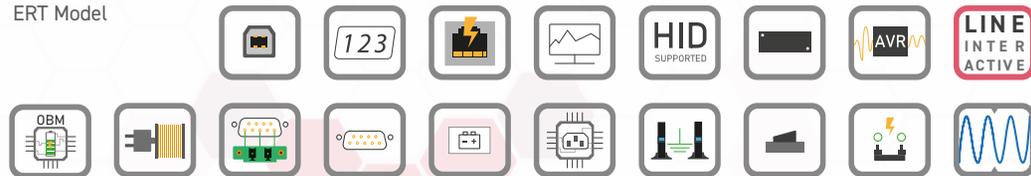
- Pure Sine Wave Output
- Output Power Factor 0.9
- Human Interface Device (HID) supported
- Slim 2U design
- Includes an Intelligent Slot
- It supports AC generators
- It has an Optimized Battery Management
- Programmable Segment
- The RS-232 includes fixed Dry Contacts



RT Model



ERT Model

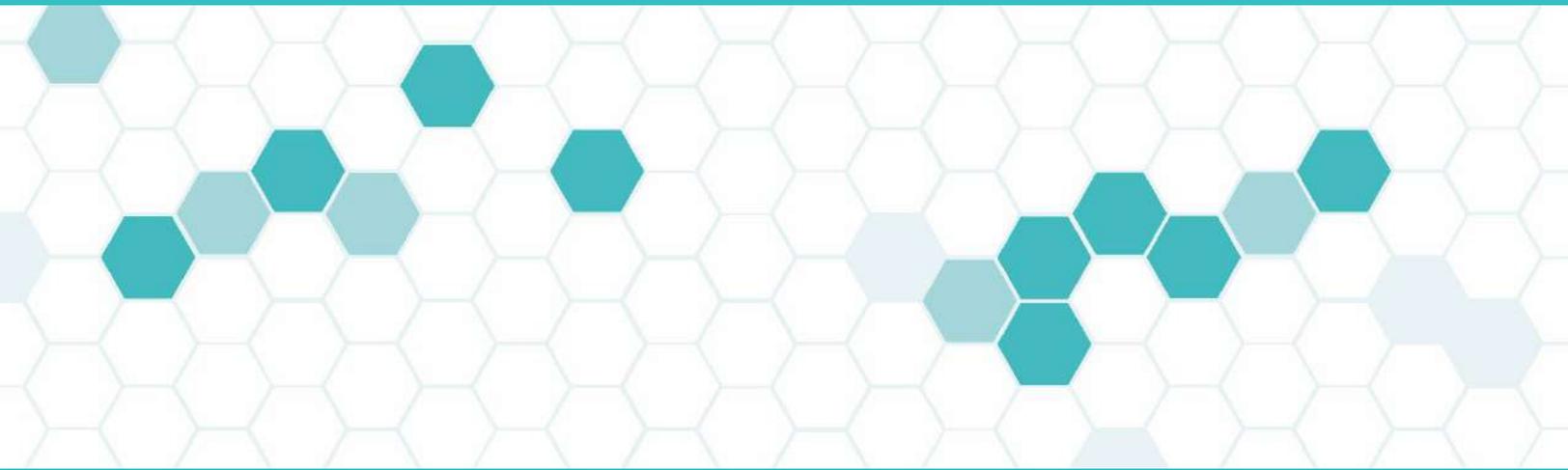


The PowerWalker VI RT HID is by far the most advanced Line-Interactive UPS with pure sine wave output and Human Interface Device (HID) support. It was designed to fulfill the high-power quality demand in IT-environment while keeping the line-interactive topology. The VI RT HID offers full protection for devices such as servers, network/telephone communication systems and small industrial applications. Due to its 2U design and adjustable LCD display, the UPS can be installed inside any regular 19" rack cabinet or used as a tower system (Tower holder included).

General Features	ERT		RT		
Power Capacity	1000VA/ 900W	1000VA/ 900W	1500VA/ 1350W	2000VA/ 1800W	3000VA/ 2700W
Output Power Factor	0.90				
LINE Mode Full Load	95.0%	96.8%	97.8%	95.0%	
Charger	1.5A				
Input Specifications	Values				
Input Voltage Range (Normal Mode)	176-278 VAC				
Frequency (Synchronized Range)	50Hz or 60Hz				
Input Type	IEC C14 or IEC C14 ^{UK}			IEC C20 or IEC C20 ^{UK}	
Output Specifications	Values				
Nominal Output Voltage	220/230/230 VAC				
Voltage Regulation	+/- 5%				
Frequency (Battery Mode)	+/- 0.1Hz				
Outlets	IEC C13 (4)	IEC C13 (8)		IEC C13 (8) + IEC C19 (1)	
Battery Specifications	Values				
Batteries	2 x 12V/ 9Ah	3 x 12V/ 7Ah	3 x 12V/ 9Ah	6 x 12V/ 7Ah	6 x 12V/ 9Ah
DC Voltage	2 x 12V	3 x 12V		6 x 12V	
Recharge Time	8h to 90%	4h to 90%			
Full Load Backup Time	3 min	4 min	3 min	4 min	3 min
Half Load Backup Time	10 min	10 min	7 min	10 min	7 min
Transfer Time [AC to Battery]	2-6 ms Typical				



ONLINE SINGLE PHASE UPS



VFI 1000-3000 AT

- Human Interface Device (HID) supported
- Easy to connect Battery Packs
- Wide input voltage range for all environments
- It supports AC generators
- Includes an Intelligent Slot



Type E Outlets



Type F Outlets



Type G Outlets



PowerWalker VFI 1000-3000 AT is an Online UPS with double conversion technology designed to safeguard your mission-critical equipment. Despite its professional application, the VFI AT series is easy to operate and comes inside a compact and economic package.

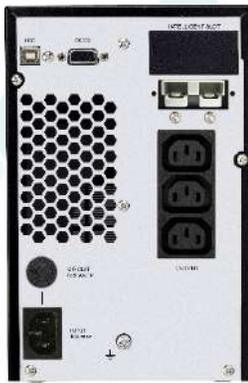
Rather uniquely among Online UPS, the VFI AT series features outlet sockets for Type F, Type E and Type G plugs. This broadens its usability and allows for different types of application. Multiple optional accessories such as external battery packs and communication cards, enhance the functionality of the UPS and allow for a greater backup time.

General Features	Values		
Power Capacity	1000VA/ 900W	2000VA/ 1800W	3000VA/ 2700W
Output Power Factor	0.90		
LINE Mode Full Load	88.0 %	90.0%	91.0%
Input Specifications	Values		
Input Voltage Range	160-300 VAC	190-300 VAC	
Frequency (Synchronized Range)	40Hz - 70Hz		
Input Type	CEE 7/7, IEC C14 ^{UK} , or IEC C20 ^{UK}		
Output Specifications	Values		
Nominal Output Voltage	208/220/230/240 VAC		
Voltage Regulation	+/- 1%		
Frequency (Battery Mode)	+/-0.5Hz		
Outlets (Model dependent)	Type F or Type E (3), or Type G (2)	Type F or Type E (4), or Type G (3)	
Battery Specifications	Values		
Batteries	2 x 12V/ 9Ah	4 x 12V/ 9Ah	6 x 12V/ 9Ah
DC Voltage	2 x 12V	4 x 12V	6 x 12V
Recharge Time	4h to 90%		
Full Load Backup Time	3.5 min	4	3.5 min
Half Load Backup Time	11 min	11 min	11 min
Transfer Time [AC to Battery]	0		

VFI 1000-3000 C LCD



- Human Interface Device (HID) supported
- Ext. Battery Connector for EBM
- Includes an Intelligent Slot
- Comprehensive display allows easy monitoring and access of UPS status



The PowerWalker VFI 1000-3000 C series provides powerful and overall protection to critical/sensitive applications, such as servers, network/telephone communication systems, and industrial applications. It offers the benefits of double conversion, like pure sine wave, stable output voltage, compatibility with generator and 0ms transfer time. It also features an external battery connector, and it is compatible with a SNMP Card for IT purposes and remote monitoring.

General Features	Values		
Power Capacity	1000VA/ 800W	2000VA/1600W	3000VA/ 2400W
Output Power Factor	0.80		
LINE Mode Full Load	88.0%	89.0%	90.0%
Charger	1A		
Input Specifications	Values		
Input Voltage Range	160-300 VAC		
Frequency (Synchronized Range)	47Hz - 53Hz or 57Hz - 63Hz		
Input Type	IEC C14 or IEC C14 ^{UK}		IEC C20 or IEC C20 ^{UK}
Output Specifications	Values		
Nominal Output Voltage	200/208/220/230/240 VAC		
Voltage Regulation	+/- 1%		
Frequency (Battery Mode)	+/- 0.3Hz		
Outlets	IEC C13 (4)		IEC C13 (4) + Terminal (1)
Battery Specifications	Values		
Batteries	2 x 12V/ 9Ah	4 x 12V/ 9Ah	6 x 12V/ 9Ah
DC Voltage	2 x 12V	4 x 12V	6 x 12V
Recharge Time	9h to 90%		
Full Load Backup Time	4 min	4 min	4.5 min
Half Load Backup Time	12.5 min	11.5 min	13 min
Transfer Time [AC to Battery]	0ms		
Transfer Time [Inverter to Bypass]	4ms		

VFI 1000-3000 TG/TGB/TGS

- Human Interface Device (HID) supported
- An All-Rounder series
- It supports AC Generators
- It includes an Intelligent Slot
- Available with an Ext. Battery Port (TGB/ TGS)
- Available with a Stronger Charger (TGS)



Variation dependent



The PowerWalker VFI TG/ TGB/ TGS is a professional and versatile online UPS solution for almost all single-phase applications (suitable for security systems for kiosks, ATMs and as well as high-level security systems, where additional software is not allowed (i.e. banking).

The UPS is available in 3 different variations:

TG: only with internal batteries for regular backup times.

TGB: with internal batteries and connection for external battery packs for extended autonomy times.

TGS: without internal batteries, but with a stronger charger for external battery packs and big capacity batteries (non-series batteries).

Thanks to the double converter technology, the UPS offers the best protection for sensitive systems. Additionally, the functionality is enhanced by a variety of communication options, such as HID, PowerWalker WinPower software or network cards.

General Features	TG	TGB	TGS	TG	TGB	TGS	TG	TGB	TGS
Power Capacity	1000VA/ 900W			2000VA/ 1800W			3000VA/ 2700W		
Output Power Factor	0.90								
LINE Mode Full Load	89.0%			90.0%			90.0%		
Ext. Battery Connection	No	Yes		No	Yes		No	Yes	
Charger	1.5A		1.5A - 6A	1.5A		1.5A - 6A	1.5A		1.5A - 6A
Input Specifications	Values								
Input Voltage Range	176-300 VAC +/-7%								
Frequency (Synchronized Range)	40Hz - 70Hz								
Input Type	IEC C14 or IEC C14 ^{UK}			IEC C14 or IEC C14 ^{UK}			IEC C20 or IEC C20 ^{UK}		
Output Specifications	Values								
Nominal Output Voltage	220/230/240 VAC								
Voltage Regulation	+/- 2%								
Frequency (Battery Mode)	+/- 0.5Hz								
Outlets	IEC C13 (4)		IEC C13 (3)	IEC C13 (4)		IEC C13 (6)	IEC C13 (4) + IEC C19 (1)		IEC C13 (3) + Terminal (1)
Battery Specifications	Values								
Batteries	2 x 12V/ 9Ah		Ext. Battery	4 x 12V/ 9Ah		Ext. Battery	6 x 12V/ 9Ah		Ext. Battery
DC Voltage	2 x 12V		-	4 x 12V		-	6 x 12V		-
Recharge Time	4h to 90%								
Full Load Backup Time	3.7 min		-	3.8 min		-	3.9 min		-
Half Load Backup Time	10.5 min		-	11 min		-	11.7 min		-
Transfer Time [AC to Battery]	0 ms								
Transfer Time [Inverter to Bypass]	4 ms								

VFI 6K-10K TGB/ TGS



- Unity Power Factor 1.0 (kVA = kW)
 - Multiple Accessories are available
 - Wide input voltage range for all environments
 - Includes an Intelligent Slot
- ← Available with a Stronger Charger (TGS)

Variation dependent



The PowerWalker VFI 6k-10k TGB/ TGS is a professional series for commercial applications featuring Unity Power Factor (PF=1.0), a wide input voltage range and high efficiency (up to 95%).

The UPS is available in 2 different variations:

TGB: with internal batteries and connection for external battery packs for extended autonomy times.

TGS: without internal batteries, but with a stronger charger for external battery packs and big capacity batteries (non-series batteries).

General Features	TGB	TGS	TGB	TGS
Power Capacity	6000VA/ 6000W		10000VA/ 10000W	
Output Power Factor	1.0			
LINE Mode Full Load	95.0%			
Parallel Work (Units)	Up to 3 of the same size			
Charger	0-4A [1.4A]	0-12A [4A]	0-4A [2A]	0-12A [4A]
Input Specifications		Values		
Input Voltage Range	160-276 VAC at 100% Load 110-160 VAC at 50% Load			
Frequency (Synchronized Range)	45Hz - 55Hz at 50Hz or 54Hz - 66Hz at 60Hz			
Input Type	Terminal			
Output Specifications		Values		
Nominal Output Voltage	208/220/230/240 VAC			
Voltage Regulation	+/- 1%			
Frequency (Battery Mode)	+/- 1Hz			
Outlets	Terminal			
Battery Specifications		Values		
Batteries	16 x 12V/ 7Ah	Ext. Battery	16 x 12V/ 9Ah	Ext. Battery
DC Voltage	16 x 12V			
Recharge Time	4h to 90%	-	4h to 90%	-
Full Load Backup Time	4 min	-	2 min	-
Half Load Backup Time	11 min	-	8 min	-
Transfer Time [AC to Battery]	0			
Transfer Time [Inverter to Bypass]	0			

VFI 1000-3000 CG PF1

- Unity Power Factor 1.0 (kVA = kW)
- Strong charger with adjustable current
- Ext. Battery Connector for EBM
- Support for laser printers and ultrasound systems
- It supports AC Generators
- It includes an Intelligent Slot
- It includes a Programmable Segment



The PowerWalker VFI 1000-3000 CG PF1 is a professional series for commercial applications featuring Unity Power Factor (PF=1.0). A unique feature is the support of loads with half-wave imbalance (i.e., laser printers and ultrasound systems). They are also equipped with a very strong adjustable charger.

Multiple accessories, including battery packs and communication cards, enhance the functionality of the UPS and allow a greater backup time. The system can be monitored locally via the LCD panel or remotely via the PowerWalker ViewPower software.

General Features	Values			
Power Capacity	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Output Power Factor	1.0			
LINE Mode Full Load	89.0%		91.0%	
Charger	1A / [2A] / 4A / 6A / 8A / 10A / 12A		1A / [2A] / 4A / 6A / 8A	
Input Specifications	Values			
Input Voltage Range	160-276 VAC at 100% Load 110-160 VAC at 50% Load			
Frequency (Synchronized Range)	47Hz - 53Hz or 57Hz - 63Hz			
Input Type	IEC C14 or IEC C14 ^{UK}		IEC C20 or IEC C20 ^{UK}	
Output Specifications	Values			
Nominal Output Voltage	200/208/220/230/240 VAC			
Voltage Regulation	+/- 1%			
Frequency (Battery Mode)	+/- 0.1Hz			
Outlets	IEC C13 (4)		IEC C13 (8)	IEC C13 (8) + IEC C19 (1)
Battery Specifications	Values			
Batteries	3 x 12V/ 7Ah	3 x 12V/ 9Ah	6 x 12V/ 7Ah	6 x 12V/ 7Ah
DC Voltage	3 x 12V		6 x 12V	
Recharge Time	3h to 90%			
Full Load Backup Time	4.5 min	3 min	4.5 min	3 min
Half Load Backup Time	13 min	10.5 min	13 min	10 min
Transfer Time [AC to Battery]	0 ms			
Transfer Time [Inverter to Bypass]	4 ms			

VFI 6K-10K CG PF1



- Unity Power Factor 1.0 (kVA = kW)
- Ext. Battery Connector for EBM
- High-Efficiency in Line Mode
- It includes an Intelligent Slot
- It includes a Programmable Segment
- Parallel Operation, up to 2 units



The PowerWalker VFI 6k-10k CG PF1 is a professional series for commercial applications featuring unity Power Factor (PF=1.0). The wide input voltage and frequency ranges allow operation in unstable networks and provide generator support. They can present very low harmonic distortions (<1%) and high efficiency (up to 94%).

Multiple accessories, including battery packs and communication cards, enhance the functionality of the UPS and allow a greater backup time. The system can be monitored locally via the LCD panel or remotely via the PowerWalker ViewPower software.

General Features	Values	
Power Capacity	6000VA/ 6000W	10000VA/ 10000W
Output Power Factor	1.0	
LINE Mode Full Load	94.0%	
Charger	1A / 2A / 4A	
Input Specifications	Values	
Input Voltage Range	176-300 VAC at 100% Load 110-300 VAC at 0-60% Load	
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	208/220/230/240 VAC	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	20 x 12V/ 9Ah	
DC Voltage	20 x 12V	
Recharge Time	9h to 90%	
Full Load Backup Time	6.5 min	2.8 min
Half Load Backup Time	17 min	8.4 min
Transfer Time [AC to Battery]	0 ms	
Transfer Time [Inverter to Bypass]	0 ms	

VFI 1000-3000 ICT/ ICR IoT



- IoT Solution with the PW-WinPower App
- Output Power Factor 1.0
- EBM Auto-Detection for easy setup of Ext. Battery Packs.
- Hot-Swappable Batteries (ICR Model)
- Optimized Battery Management (OBM)
- Programmable Outlet Segments (ICR Model)
- Multifunctional LCD Display
- Includes an Intelligent Slot
- Internet Options: LAN Cable or WLAN Dongle

General Features	ICT	ICR	ICT	ICR	ICT	ICR	ICT	ICR
Power Capacity	1000VA/ 1000W		1500VA/ 1500W		2000VA/ 2000W		3000VA/ 3000W	
Output Power Factor	1.0							
LINE Mode Full Load	89.0%				93.0%			
Charger	1.5A							
Input Specifications	Values							
Input Voltage Range	160-300 VAC = 100% Load 110-160 VAC derated to 50% Load							
Frequency (Synchronized Range)	40Hz - 70Hz							
Input Type	IEC C14				IEC C20			
Output Specifications	Values							
Nominal Output Voltage	200/208/220/230/240 VAC							
Voltage Regulation	+/- 1%							
Frequency (Battery Mode)	+/- 0.2Hz							
Outlets	IEC C13 (4)	IEC C13 (8)	IEC C13 (4)	IEC C13 (8)		IEC C13 (8) + IEC C19 (1)		
Programmable Segment	-	Yes	-	Yes	-	Yes	-	Yes
Battery Specifications	Values							
Batteries	3 x 12V/ 7Ah		3 x 12V/ 9Ah		6 x 12V/ 7Ah		6 x 12V/ 9Ah	
DC Voltage	3 x 12V				6 x 12V			
Recharge Time	3h to 90%							
Full Load Backup Time	4.2 min		3.5 min		4.4 min		3.7 min	
Half Load Backup Time	11.8 min		9.6 min		12.5 min		10.1 min	
Transfer Time [AC to Battery]	0 ms							
Transfer Time [Inverter to Bypass]	4 ms							

PowerWalker VFI ICT/ ICR IoT series is the next generation of UPS, offering an intuitive App for remote monitoring via the cloud. The UPS is quick to setup and easy to maintain. It provides the ability to review the workflow and to troubleshoot it instantly – regardless of time and place. This cloud-based monitoring increases the availability and quality of traditional monitoring, while at the same time allowing room for cost reduction, scalability, and trend analysis.

This UPS series utilizes double conversion technology, and it features Unity Power Factor, ensuring the availability of your mission-critical equipment and providing clean output power to your sensitive loads. Multiple optional accessories such as external battery packs, communication cards and a WLAN adapter enhance the functionality of the UPS.



STAY CONNECTED TO THE CLOUD



With the App:



Microsoft
Azure Cloud

- Status Monitoring
- Event Logs
- Scheduled Battery Test
- E-Mail + Mobile App Notifications
- Admin + Viewer Profile Setup



The PowerWalker WinPower App can be easily downloaded via Google Play Store or Apple App Store.

Simply open the App, register an account, log in, and you are ready to monitor your IoT UPS through the cloud in any Android or iOS device!



VFI 6K-10K ICT/ ICR IoT

- IoT Solution with the PW-WinPower App
- Output Power Factor 1.0
- EBM Auto-Detection for easy setup of Ext. Battery Packs.
- Optimized Battery Management (OBM)
- Parallel Operation, up to 3 units
- Includes an Intelligent Slot
- Internet Options: Ethernet Cable or WLAN Dongle



This UPS series utilizes double conversion technology and features Unity Power Factor, while making use of the IoT-Cloud monitoring feature just like the smaller models. Multiple optional accessories such as external battery packs, communication cards and a WLAN adapter enhance the functionality of the UPS, and up to 3 units can be operated in parallel. It also features 2 modern functions: EBM Auto-Detection and the Optimized Battery Management (OBM).

General Features	Values	
Power Capacity	6000VA/ 6000W	10000VA/ 10000W
Output Power Factor	1.0	
LINE Mode Full Load	95.0%	
Charger	1A - 4A	
Input Specifications	Values	
Input Voltage Range	110-160 VAC 50%-100% 160-276 VAC at 100%	
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz or 40-70Hz (<60% Load)	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	220/230/240 VAC	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	16 or 20 x 12V/ 7Ah	16 or 20 x 12V/ 9Ah
DC Voltage	16 or 20 x 12V	16 or 20 x 12V
Recharge Time	3h to 90%	
Transfer Time [AC to Battery]	0 ms	
Transfer Time [Inverter to Bypass]	0 ms	

CLOUD MONITORING

WHAT IS THE INTERNET OF THINGS?

The Internet of Things (IoT) is a system made up of physical devices connected by the internet, capable of accumulating and sharing data across the network. Just like our smartphones, nowadays we can take selfies and save them on the cloud, we can check our E-Mail while we are on vacation, and we can monitor our route just by looking at our integrated GPS application.

This is all possible thanks to the device's physical capability of connecting to the internet. In similar ways, IoT works like this in all the different devices and business branches. At our home or at the office, the importance of connectivity, accessibility and security is almost a must nowadays!

Since 1990, the Internet of Things has been exploding. Smart devices and cutting-edge machines that use wireless technology to talk to each other (and to us), have been growing at a breathtaking pace – from 2 billion devices in 2006 to a projected 100 billion in 2022. Laptops, smartwatches, autonomous robotics, IP controlled traffic lights, autonomous cars, data security and accessibility, and finally, smart home living. The internet of things, is the future.

The ICT/ICR IoT series is a professional and versatile online UPS with double conversion technology. Its IoT feature lets it send important information to a secured cloud when connected with the internet. This information can be monitored and accessed securely in real-time with help of our PowerWalker Winpower application.



If the UPS is connected to the internet, through an ethernet cable or through a wireless connection with the WLAN Dongle, the UPS will automatically send all information to the Microsoft Azure Cloud. This information can be later accessed with the application for remote monitoring. Both, sending, and receiving of the information is securely encrypted for information protection. The app itself is GDPR compliance certified, by TÜV Rheinland, a very well-known German independent testing company focused on safety, efficiency and quality.

VFI 1000 R1U/ LR1U



- Human Interface Device (HID) supported
 - Slim 1U Design
 - Wide input voltage range for all environments
 - It supports AC Generators
 - Intelligent Slot Available
 - Hot-Swappable Batteries
- ← Available with a Lithium-FePO Battery with the LR1U Model



With a true double-conversion Online UPS design, the PowerWalker VFI 1000 R1U / LR1U provides powerful and overall protection to your sensitive devices. It can accept wide input voltage for harsh environment, and it offers full protection for critical devices such as sensitive servers, network/telephone communication systems as well as for industrial applications.

The UPS can be installed in 19" rack systems. With its slim design it only requires 1U valuable space of the rack system.

Highlight of the PowerWalker VFI 1000 LR1U unit is the Lithium Iron Phosphate battery integrated inside the 1U housing. Compared to traditional lead-acid-batteries, lithium cells feature highly extended battery life, lower maintenance cost and greatly reduced weight.

General Features	VFI R1U	VFI LR1U
Power Capacity	1000VA/ 800W	1000VA/ 800W
Output Power Factor		0.80
LINE Mode Full Load		86.0%
Input Specifications		Values
Input Voltage Range	160-300 VAC	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	IEC C14 or IEC C14 ^{UK}	
Output Specifications		Values
Nominal Output Voltage	220/230/240 VAC	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/-0.5Hz	
Outlets	IEC C13 (3)	
Battery Specifications		Values
Batteries	4 x 6V/ 9Ah Lead-Acid	24V/ 3.3Ah LiFePO
DC Voltage	4 x 6V	1 x 24V
Recharge Time	4h to 90%	
Full Load Backup Time	4 min	5.5 min
Half Load Backup Time	9.6 min	14.5 min
Transfer Time [AC to Battery]	0	

VFI 1000-3000 CRM/ CRS



- Rack/Tower design with rotatable LCD Direction
- Ext. Battery Connector for EBM
- Wide input voltage range for all environments
- **Hot-Swappable** Batteries
- It includes an Intelligent Slot
- Discharge Timer
- Available with a **Stronger Charger (CRS)**



Variation dependent



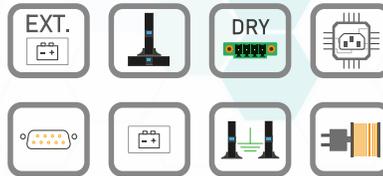
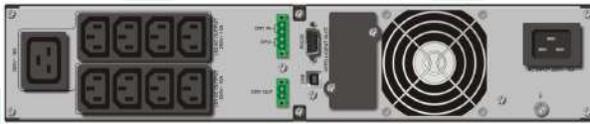
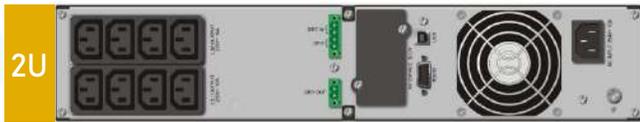
With a true double-conversion online UPS design, the PowerWalker VFI CRM series and its long-run version VFI CRS series provide powerful and overall protection to your sensitive devices. It can accept wide input voltage for harsh environment. It offers full protection for critical devices such as sensitive servers, network/telephone communication systems as well as for industrial applications.

The UPS can be installed in 19" rack systems or used as tower with use of the tower holder. With its slim design it only requires 2U of valuable space of your rack system.

General Features	CRM	CRS	CRM	CRS	CRM	CRS
Power Capacity	1000VA/ 800W		2000VA/ 1600W		3000VA/ 2400W	
Output Power Factor			0.80			
LINE Mode Full Load	88.0%		89.0%		90.0%	
Charger	1A	6A	1A	6A	1A	6A
Input Specifications	Values					
Input Voltage Range	160-280 VAC 110-300 VAC at 50% Load					
Frequency (Synchronized Range)	47Hz - 53Hz or 57Hz - 63Hz					
Input Type	IEC C14 or IEC C14 ^{UK}				IEC C20 or IEC C20 ^{UK}	
Output Specifications	Values					
Nominal Output Voltage	200/208/220/230/240 VAC					
Voltage Regulation	+/- 1%					
Frequency (Battery Mode)	+/- 0,3Hz					
Outlets	IEC C13 (3)	IEC C13 (6)	IEC C13 (4)	IEC C13 (6)	IEC C13 (4) + Terminal (1)	IEC C13 (6) + Terminal (1)
Battery Specifications	Values					
Batteries	2 x 12V/ 9Ah	Ext. Battery	4 x 12V/ 9Ah	Ext. Battery	6 x 12V/ 9Ah	Ext. Battery
DC Voltage	2 x 12V		4 x 12V		6 x 12V	
Recharge Time	9h to 90%					
Full Load Backup Time	4 min	-	4 min	-	4.5 min	-
Half Load Backup Time	11 min	-	12 min	-	13 min	-
Transfer Time [AC to Battery]	0 ms					
Transfer Time [Inverter to Bypass]	4 ms					

VFI 1000-3000 RT HID

- Rack/Tower design with rotatable LCD Direction
- Ext. Battery Connector for EBM
- Wide input voltage range for all environments
- It includes a Programmable Segment
- It includes an Intelligent Slot
- Available with a Stronger Charger (RTS)



With a true double-conversion 2U online UPS design, the PowerWalker VFI RT HID series provide powerful and overall protection to your sensitive devices. It can accept wide input voltage for harsh environment. It offers full protection for critical devices such as sensitive servers, network/telephone communication systems as well as for industrial applications.

General Features	RTS		RT		
Power Capacity	1000VA/ 900W		1500VA/ 1350W	2000VA/ 1800W	3000VA/ 2700W
Output Power Factor	0.90				
LINE Mode Full Load	88.2%		90.0%	92.5%	88.2%
Charger	6A		1.5A		
Input Specifications	Values				
Input Voltage Range	120-276 VAC depends on Load level				
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz				
Input Type	IEC C14 or IEC C14 ^{UK}				IEC C20 or IEC C20 ^{UK}
Output Specifications	Values				
Nominal Output Voltage	208/220/230/240 VAC				
Voltage Regulation	+/- 1%				
Frequency (Battery Mode)	+/- 0,2Hz				
Outlets	IEC C13 (8)				IEC C13 (8) + C19 (1)
Battery Specifications	Values				
Batteries	Ext. Battery	3 x 12V/ 7Ah	4 x 12V/ 7Ah	4 x 12V/ 9Ah	6 x 12V/ 9Ah
DC Voltage	3 x 12V		4 x 12V		6 x 12V
Recharge Time	-	3h to 90%			
Full Load Backup Time	-	5 min	4 min	3 min	3 min
Half Load Backup Time	-	16 min	13 min	10 min	11 min
Transfer Time [AC to Battery]	0 ms				
Transfer Time [Inverter to Bypass]	0 ms				

VFI 6K-10K PRT HID



- Rack/Tower design with swappable LCD direction
- Ext. Battery Connector for EBM
- Wide input voltage range for all environments
- Optimized Battery Management (OBM)
- It includes an Intelligent Slot
- Parallel Operation, up to 2 units

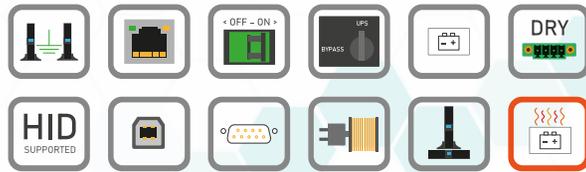
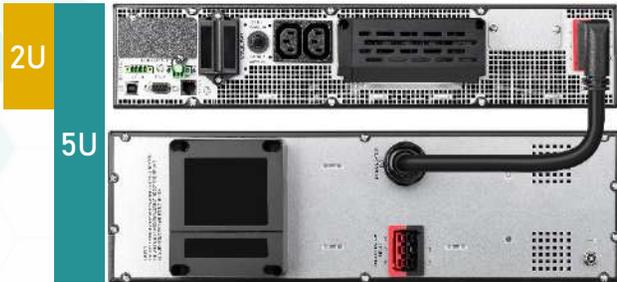


The PowerWalker VFI PRT HID series is a professional rack UPS with Power Factor 0.9. The series can reach 6kVA in 3U and 10kVA in 5U of the 19" rack cabinet respectively – including batteries. The units must be hard-wired, but they feature a power distribution module with several outlets (IEC C13 and IEC C19). The devices are secured with a physical maintenance bypass switch and a REPO connector. They can operate in parallel for power extension or redundancy. This way one UPS is backing up the other one in case of a failure, resulting in the highest security level.

General Features	Values	
Power Capacity	6000VA/ 5400W	10000VA/ 9000W
Output Power Factor	0.90	
LINE Mode Full Load	93.3%	94.4%
Charger	1A	
Input Specifications	Values	
Input Voltage Range	120-276 VAC depends on Load level	
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	208/220/230/240 VAC	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	IEC C13(4) + C19(2) + Terminal	IEC C19(8) + Terminal (1)
Battery Specifications	Values	
Batteries	15 x 12V/ 5Ah	20 x 12V/ 9Ah
DC Voltage	15 x 12V	20 x 12V
Recharge Time	3h to 90%	
Full Load Backup Time	3.4 min	3.8 min
Half Load Backup Time	9.8 min	12.5 min
Transfer Time [AC to Battery]	0 ms	
Transfer Time [Inverter to Bypass]	0 ms	

VFI 6k-10k RTG

- Unity Power Factor 1.0 (kVA = kW)
- Multiple Accessoires are available
- Wide input voltage range for all environments
- Parallel Operation, up to 3 units
- Rack or Tower (includes a Tower Holder)



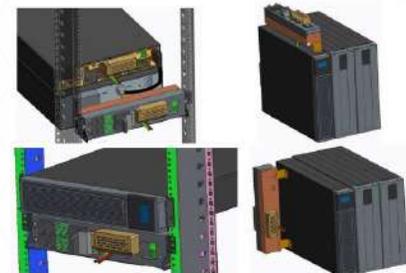
The PowerWalker VFI 6k-10k RTG/ RTGE is a professional Online UPS series featuring unity Power Factor (PF=1.0). Thanks to the double converter technology, the UPS offers the best protection for sensitive systems, and it is the matching solution for mission critical loads and demanding IT environments

The UPS is available in 2 different variations:

RTG: Complete solution including battery pack and MBS/PDU

RTGE: Only the UPS engine without battery pack and MBS/PDU

Complete Solution: Incl. BP and MBS/PDU



General Features	RTG	RTGE	RTG	RTGE
Power Capacity	6000VA/ 6000W		10000VA/ 10000W	
Output Power Factor	1.0			
LINE Mode Full Load	95.0%			
Parallel Work (Units)	Up to 3 of the same size			
Charger	0-4A [1.4A]		0-4A [2A]	
Input Specifications		Values		
Input Voltage Range	160-276 VAC at 100% Load 110-160 VAC at 50% Load			
Frequency (Synchronized Range)	45Hz - 55Hz at 50Hz 54Hz - 66Hz at 60Hz			
Input Type	Terminal			
Output Specifications		Values		
Nominal Output Voltage	208/220/230/240 VAC			
Voltage Regulation	+/- 1%			
Frequency (Battery Mode)	+/- 1Hz			
Outlets	IEC C13 (2) + Terminal			
Battery Specifications		Values		
Batteries	16 x 12V/ 7Ah	Ext. Battery	16 x 12V/ 9Ah	Ext. Battery
DC Voltage	16 x 12V			
Recharge Time	3h to 90%	-	3h to 90%	-
Full Load Backup Time	4 min	-	2 min	-
Half Load Backup Time	11 min	-	8 min	-
Transfer Time [AC to Battery]	0			
Transfer Time [Inverter to Bypass]	0			



VFI 1000-3000 RMG

- Unity Power Factor 1.0 (kVA = kW)
- Compatible with Half-Wave Imbalance Loads
- Wide input voltage range for all environments
- **Hot-Swappable** Batteries
- Adjustable Strong Charger



The PowerWalker VFI 1000-3000 RMG PF1 is a professional UPS for commercial applications featuring Unity Power Factor (PF=1.0) and a very strong charger with adjustable current. Allows connecting loads with half-wave imbalance (i.e., laser printers and ultrasound systems) and provides generator support.

Multiple accessories, including battery packs and communication cards, enhance the functionality of the UPS and allow a greater backup time. The system can be monitored locally via an LCD panel or remotely via the PowerWalker ViewPower software. With its slim design it only requires 2U of valuable space of your rack system. The UPS can be installed in a 19" rack system or used as a tower.

General Features	Values			
Power Capacity	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Output Power Factor	1.0			
LINE Mode Full Load	89.0%		91.0%	
Charger	1A / [2A] / 4A / 6A / 8A / 10A / 12A		1A / [2A] / 4A / 6A / 8A	
Input Specifications	Values			
Input Voltage Range	160-276 VAC at 100% Load 110-160 VAC at 50% Load			
Frequency (Synchronized Range)	47Hz - 53Hz or 57Hz - 63Hz			
Input Type	IEC C14 or IEC C14 ^{UK}		IEC C20 or IEC C20 ^{UK}	
Output Specifications	Values			
Nominal Output Voltage	200/208/220/230/240 VAC			
Voltage Regulation	+/- 1%			
Frequency (Battery Mode)	+/- 0.1Hz			
Outlets	IEC C13 (4)		IEC C13 (8)	IEC C13 (8) + IEC C19 (1)
Battery Specifications	Values			
Batteries	3 x 12V/ 7Ah	3 x 12V/ 9Ah	6 x 12V/ 7Ah	6 x 12V/ 9Ah
DC Voltage	3 x 12V		6 x 12V	
Recharge Time	3h to 90%			
Full Load Backup Time	4.5 min	3 min	4.5 min	3 min
Half Load Backup Time	13 min	10.5 min	13 min	10 min
Transfer Time [AC to Battery]	0 ms			
Transfer Time [Inverter to Bypass]	4 ms			

VFI 6k-10k RMG/ RMGS



5U

- Unity Power Factor 1.0 (kVA = kW)
- Parallel Operation, up to 3 units
- Very Low Total Harmonic Distortion on output voltage
- Available with a Stronger Charger (RMGS)



The PowerWalker VFI 6k-10k RMG PF1 is a professional UPS for commercial applications featuring Unity Power Factor (PF=1.0) and strong charger with adjustable current. The wide input voltage and frequency ranges allow operation in unstable networks and provides generator support.

Multiple accessories, including battery packs and communication cards, enhance the functionality of the UPS and allow a greater backup time. The system can be monitored locally via an LCD panel or remotely via the PowerWalker ViewPower software. With its slim design it only requires 2U of valuable space of your rack system. The UPS can be installed in a 19" rack system or used as a tower.

General Features	RMGS	RMG	RMGS	RMG
Power Capacity	6000VA/ 6000W		10000VA/ 10000W	
Output Power Factor	1.0			
LINE Mode Full Load	94.0%			
Charger	1A / [2A] / 4A / 6A		1A / [2A] / 4A	
Input Specifications		Values		
Input Voltage Range	176-300 VAC at 100% Load 110-176 VAC at 50% Load			
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz			
Input Type	Terminal			
Output Specifications		Values		
Nominal Output Voltage	200/208/220/230/240 VAC			
Voltage Regulation	+/- 1%			
Frequency (Battery Mode)	+/- 0.1Hz			
Outlets	Terminal			
Battery Specifications		Values		
Batteries	Ext. Battery	20 x 12V/ 9Ah	Ext. Battery	20 x 12V/ 9Ah
DC Voltage	20 x 12V			
Recharge Time	9h to 90%			
Full Load Backup Time	-	6.5 min	-	2.8 min
Half Load Backup Time	-	17 min	-	8.4 min
Transfer Time [AC to Battery]	0 ms			
Transfer Time [Inverter to Bypass]	0 ms			

FUNCTIONALITY EXTENSION

Uninterruptible Power Supplies are working in combination with various **auxiliary equipment, accessories and extensions**:

Professional devices feature the **intelligent slot**, aka management slot – an extension slot to various protocols of communication. Most popular **SNMP Cards** will allow you to communicate over Ethernet and control and monitor your device from any place connected to the internet. **Modbus** is a widely used protocol in the industry, and **dry contacts** are especially flexible for the dedicated installations. To extend backup time a variety of **battery packs** are available. High power solutions are more likely to be connected to dedicated battery banks. Input and output can be additionally managed with **transfer switches** or **power distribution units**.



AS/400 Cards provide potential free connection pins (dry contacts) for remote shutdown and monitoring of the UPS. It is frequently used along with PLCs and signal control panels. Information delivered can be triggered by UPS failure, alarm, main fail, bypass, battery low, UPS on. By using a AS/400 it is possible to shutdown the UPS remotely.

SNMP Cards offer IP address and web interface for most convenient monitoring. SNMP module allows remote monitoring and managing multiple UPSs from anywhere with internet access. Integrated web access will leverage internet capability of SNMP card to remotely program or shut down UPSs. Equipped with SNMP card, power conditions of all UPSs can be monitored anytime/anywhere even if the UPS unit is in a different floor/building.



The **Modbus Card** is a communication accessory that provides a pair of RJ-45 Interface for remote monitoring and controlling of the UPSs. It converts standard RS232 signal to RS232 signal with a specified address, which allows to control many UPSs from one computer.



The **Maintenance Bypass Switch (MBS)** can be installed between mains and UPS. It enables maintenance of the UPS without turning off connected equipment. It can also be used as PDU (Power distribution unit). With Master/Slave function for energy saving. Available as 19" rack or as a box.



ACCESSORIES



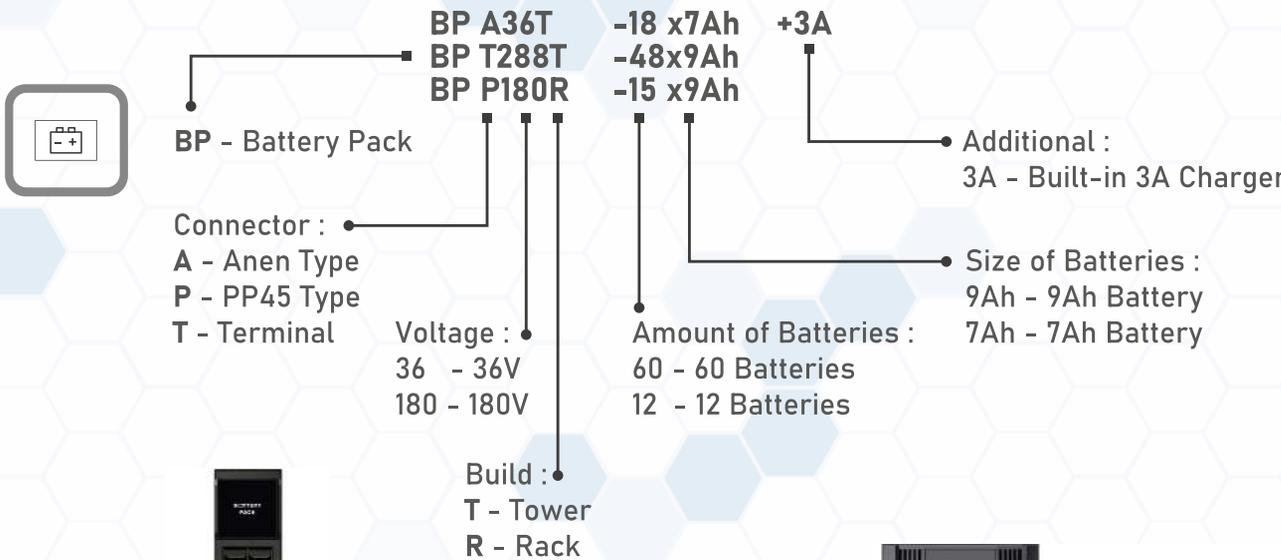
An Automatic Transfer Switch (ATS) is designed with two independent power inlets to supply power to the load from two different power sources. Should the primary power source fail, secondary will automatically backup the connected equipment without interruption.

The Rack Mount Kit or simply rails for rack or sliders are accessories that allow you to mount the 19" devices into cabinets. It keeps your equipment put and easy to access.



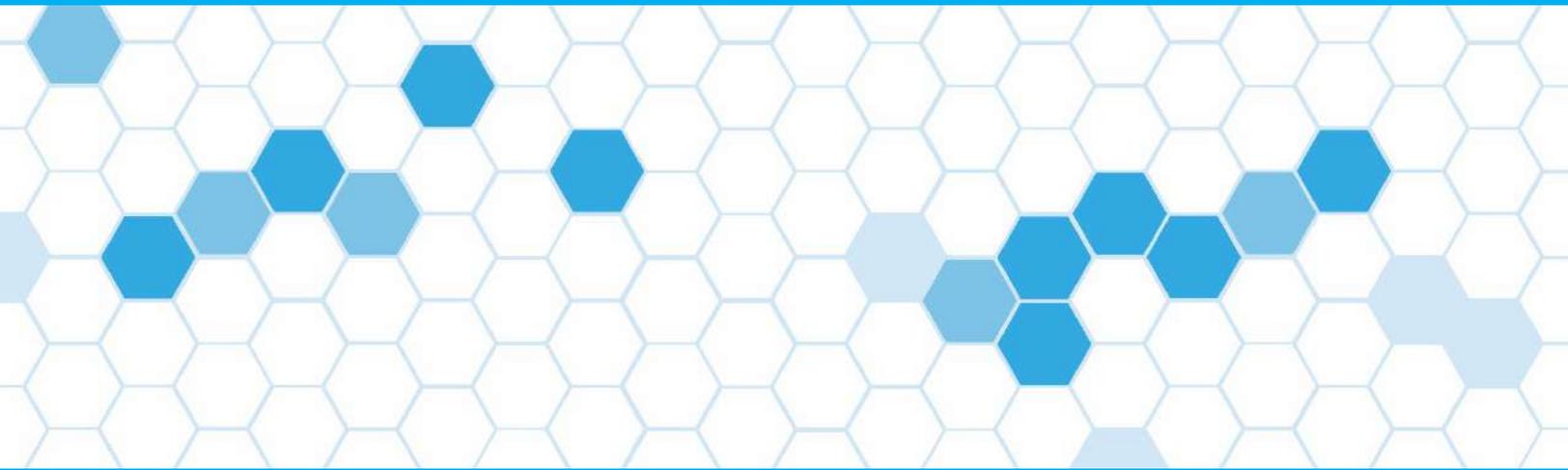
The additional External Battery Charger allows to speed up the charging process, especially when the UPS is connected to additional battery packs.

BlueWalker offers various Battery Packs (BP) to extend autonomy time of UPSs. Multiple solutions are cross-compatible among many models. The name-format of the product carries almost all-important information about the accessory:





ONLINE THREE PHASE UPS



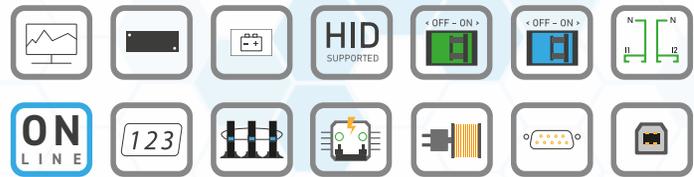
VFI 10K-20K TP/ TCP

3/1

- High efficiency results in energy saving with **Output Power Factor 0.9**
- Three-phase or single-phase Input
- **Wide Input Voltage Range** for all environments and support for AC generator
- **N+X Parallel Redundancy** for up to 4 UPS of the same size (Only TP Model)



TCP Series



With its true double-conversion online UPS design, the PowerWalker VFI TP and TCP series provides powerful and overall protection to your sensitive devices. With its 3 phase in and 1 phase out it can balance the power consumption from all incoming lines and creates a stable power output for equipment with even high-power consumption. Multiple communication ports allow to integrate the UPS in existing structures. Extended back-up time by optional additional battery packs.

General Features	TCP	TP	TP
Power Capacity	10000VA/ 9000W		20000VA/ 18000W
Output Power Factor			0.90
LINE Mode Full Load	93.1%	93.5%	93.7%
Charger	1.4A	[2A]/ 4A	4A
Parallel Work (Units)	-	Up to 4 of the same size	
Input Specifications	Values		
Input Voltage Range	110-276 VAC (Single Phase) 190-478VAC (Three Phase)		
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz		
Input Type	Terminal		
Output Specifications	Values		
Nominal Output Voltage	208/220/230/240 VAC		
Voltage Regulation	+/- 1%		
Frequency (Battery Mode)	+/- 0.05Hz		
Outlets	IEC C13 (2) + Terminal (1)	Terminal	
Battery Specifications	Values		
Batteries	20 x 12V/ 9Ah	24 x 12V/ 9Ah	2x24 x 12V/ 9Ah
DC Voltage	20 x 12V	24 x 12V	
Recharge Time	8h to 90%	3h to 90%	
Full Load Backup Time	3.9 min	5.4 min	5.3 min
Half Load Backup Time	12.5 min	15.3 min	15.6 min
Transfer Time [AC to Battery]	0ms		
Transfer Time [Inverter to Bypass]	0ms		

3/1 - 3/3

VFI 10k-20k ICT/ ICR IoT



Please Note: min. 2 BP per UPS are required to operate!

Complete Solution: Incl. 2 BP and MBS/PDU

- IoT Solution with the PW-WinPower App
- Output Power Factor 1.0
- EBM Auto-Detection for easy setup of Ext. Battery Packs.
- Optimized Battery Management (OBM)
- Parallel Operation, up to 3 units
- Includes an Intelligent Slot
- Internet Options: Ethernet Cable or WLAN Dongle



Unique, modern Touch-Panel



This Three Phase UPS series utilizes double conversion technology and features Unity Power Factor, while making use of the IoT-Cloud monitoring feature, just like the smaller models. Multiple optional accessories such as external battery packs, communication cards and a WLAN adapter enhance the functionality of the UPS, and up to 3 units can be operated in parallel. It also features 2 modern functions: EBM Auto-Detection and the Optimized Battery Management (OBM). It also features a very advance Touch-Panel.

General Features	ICT	ICR	ICT	ICR	ICT	ICR	ICT	ICR
Power Capacity	10000VA/ 10000W		15000VA/ 15000W		20000VA/ 20000W			
Output Power Factor	>0.95 at 3ph >0.995 at 1ph		> 0.995					
LINE Mode Full Load	95.0%							
Charger	1A-12A Default: [2A]		1A-13A Default: [2A] for 10k/ 20k, [1.4A] for 15k					
Parallel Work (Units)	3							
Input Specifications		Values						
Input Phase	3 or 1		3					
Input Voltage Range	160-275 VAC = 100% Load 110-160 VAC derated to 50% Load		273-520 VAC = 100% Load 173-273 VAC derated to 50% Load					
Frequency (Synchronized Range)	40Hz - 70Hz							
Input Type	Terminal							
Output Specifications		Values						
Nominal Output Voltage	220/230/240 VAC		220/230/240 VAC or 380/400/415 VAC					
Voltage Regulation	+/- 1%							
Frequency (Battery Mode)	+/- 0.1Hz							
Outlets	Terminal							
Battery Specifications		Values						
Batteries	20 x 12V/ 9Ah		2 x 10 x 12V/ 9Ah		2 x 20 x 12V/ 7Ah		2 x 20 x 12V/ 9Ah	
DC Voltage	20 x 12V				40 x 12V			
Recharge Time	3h to 90%							
Transfer Time [AC to Battery]	0 ms							
Transfer Time [Inverter to Bypass]	0 ms							

VFI CPH

3/1 - 3/3

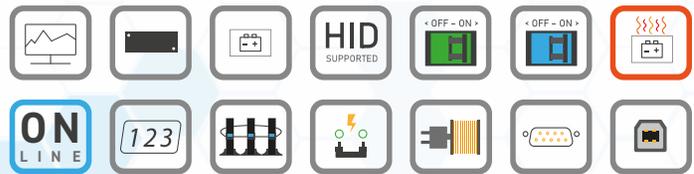


- Unity Power Factor 1.0 (kVA = kW)
- Parallel Operation, up to 10 units!
- Works Stand-Alone or as Part of a Modular Solution
- Hot-Swappable Modules
- Available as 3/1 or 3/3 (Input/ Output)
- Scalable to up to 100kW

The VFI CPH: 1 module, 3 solutions:

1. Tower/ Rack: **Stand-Alone** Solution
2. PW 12U Rack Cabinet Solution: Share **12U** between UPS and CPH Battery Packs | Includes **Controller Module + 10" Touch Panel** (example given)
3. Personalized Solution: Make use of a Standard 19" Rack Cabinet and operate up to 10 units in parallel with Ext. Batteries.

The PowerWalker VFI CPH 3/1 or 3/3 is an innovative solution for a variety of applications. This 10KW UPS can work standalone as a tower or rack solution, or it can be installed as part of a modular N+X system.



As a rack unit, the UPS fits into any standard 19" rack cabinet and occupies a space of **3U** (**6U** with a battery pack). Using the included connection box, installation is convenient and easy.

General Features	3/1	3/3
Power Capacity	10000VA/ 10000W	
Output Power Factor	1.0	
LINE Mode Full Load	93.0%	93.5%
Charger	4A	
Parallel Work (Units)	Up to 10 of the same size	
Input Specifications	Values	
Input Voltage Range	190-520 VAC @ 50% load 305-478 VAC @ 100% load	
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	208/220/230/240VAC (L+N)	360VAC/380VAC/400VAC/415VAC (3Ph+N)
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	Ext. Battery	
DC Voltage	32-40 x 12V	
Transfer Time [AC to Battery]	0ms	
Transfer Time [Inverter to Bypass]	0ms	

FLEXIBLE THREE PHASE SOLUTION

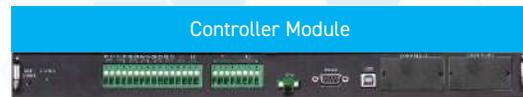


PowerWalker 12U Rack Cabinet

Alternatively, PowerWalker provides a specifically designed 12U rack cabinet with an advanced 10" touch-panel allowing a high-degree of comfort during operation. Inside this cabinet, you can either install four CPH units or share the space between UPS and battery modules.



10" Touch-Panel



Controller Module

- Includes Controller module that provides 2 Card Slots
- Necessary for the VFI CPH 10" Touch Panel

General Features	PowerWalker 12U Rack Cabinet (example)
Power Capacity	20000VA/ 20000W
Output Power Factor	1.0
LINE Mode Full Load	94.0%
Charger	4A
Input Specifications	Values
Input Voltage Range	190-520 VAC @ 50% load 305-478 VAC @ 100% load
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz
Input Type	Terminal
Output Specifications	Values
Nominal Output Voltage	360VAC/380VAC/400VAC/415VAC (3Ph+N)
Voltage Regulation	+/- 1%
Frequency (Battery Mode)	+/- 0.1Hz
Outlets	Terminal
Battery Specifications	Values
Batteries	2x 32x 12V/ 5Ah
DC Voltage	32 x 12V
Transfer Time [AC to Battery]	0ms
Transfer Time [Inverter to Bypass]	0ms

In a modular setup, all modules are hot-swappable and work parallel redundant. Additionally, each UPS can be controlled and monitored separately using an independent LCD. This ensures high reliability, flexibility and ease of maintenance. The PowerWalker VFI CPH is an all-encompassing three-phase solution!

This series offers a variety of combinations for any standard 19" rack cabinet! Therefore, we recommend that you contact us for more details, for a customized offer!



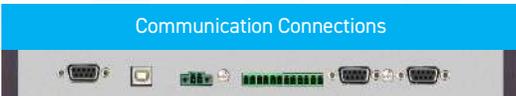
Standard 19" Rack Cabinet

VFI 10K-80K CPG PF1

3/3

- Unity Power Factor 1.0 (kVA = kW)
- Parallel Operation, up to 3 units
- Very Low Total Harmonic Distortion on output voltage
- Three-phase or single-phase Input
- Dual Input and Adjustable Charging Current
- **SNMP Manager** Included!

The PowerWalker VFI CPG 3/3 PF1 series is a professional commercial solution built in double conversion technology with power factor 1.0. Equipped with three-level inverter topology, it results in a high efficiency, reaching 95.5% in Line Mode and even 98.5% in ECO Mode. The series ensures low harmonic distortions and precise voltage regulation (1%). All phases have Active Power Factor Correction.



General Features	BE/ BI				
Power Capacity	10000VA/ 10000W	15000VA/ 15000W	20000VA/ 20000W	30000VA/ 30000W	40000VA/ 40000W
Output Power Factor	1.0				
LINE Mode Full Load	95.5%				
Charger	1-12A				
Parallel Work (Units)	Up to 3 of the same size				
Input Specifications	Values				
Input Voltage Range	190-520 VAC (at 50%) 305-478VAC (at 100%)				
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz				
Input Type	Terminal				
Output Specifications	Values				
Nominal Output Voltage	3x 400V (3Ph+N) Optional 208/220/230/240 VAC (Ph-N)			3x 400V (3 Ph+N)	
Voltage Regulation	+/- 1%				
Frequency (Battery Mode)	+/- 0.1Hz				
Outlets	Terminal				
Battery Specifications	Values				
Batteries	BE: Not Included/ Ext. Battery BI: 20 x 12V/ 9Ah	BE: Not Included/ Ext. Battery BI: 32 x 12V/ 9Ah		BE: Not Included/ Ext. Battery BI: 2x 32 x 12V/ 9Ah	
DC Voltage	20 x 12V				
Recharge Time	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%
Full Load Backup Time	3 min	3 min	1.5 min	2.5 min	1.0 min
Half Load Backup Time	10 min	11 min	6.5 min	7.2 min	6.5 min
Transfer Time [AC to Battery]	0ms				
Transfer Time [Inverter to Bypass]	0ms				

WIDE INPUT RANGE!

Thanks to its modern design, the VFI CPG series reaches a very high-power density (kVA output in relation to the size/volume of the unit). All models of this series offer generator support, dual input and allow parallel operation up to three units.

For this model, battery numbers can be adjusted (between 32 and 40pcs, except for the 10K unit), allowing more flexibility and compatibility with existing battery banks. The three-stage extendable charging design also enhances battery performance over its lifetime.

On demand we can modify unit to include isolation transformer or negative power absorber.

The UPS is available in 3 different variations:

BE: Internal Batteries not included/ works with External Batteries

BI: Internal Batteries are included / works with External Batteries

BX: Only compatible with Ext. Batteries



Each unit is equipped by default with SNMP Card to increase control over the unit and offer embedded monitoring over IP.



For the convenience of operation, a touch panel has been added to the unit.

General Features	BX	
Power Capacity	60000VA/ 60000W	80000VA/ 80000W
Output Power Factor	1.0	
LINE Mode Full Load	95.5%	
Charger	1-24A	
Parallel Work (Units)	Up to 3 of the same size	
Input Specifications	Values	
Input Voltage Range	190-520 VAC (at 50%) 305-478VAC (at 100%)	
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	3x 400V (3Ph+N)	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	Ext. Battery	
DC Voltage	40 x 12V	
Recharge Time	-	
Full Load Backup Time	-	
Half Load Backup Time	-	
Transfer Time [AC to Battery]	0ms	
Transfer Time [AC to Battery]	0ms	

VFI CPM

3/3

- Unity Power Factor 1.0 (kVA = kW)
- Parallel Operation, up to 10 units!
- Modular and scalable solution up to 300kVA or 420kVA in parallel cabinets
- **Hot-Swappable** Modules
- 5.7" Display or optional 10" Touch-Panel

The UPS is available in 2 different modular variations:

VFI 20k CPM: Can work with 10 Units of the same size

VFI 30k CPM: Can work with 10 Units of the same size

They require at least 1 CPM Cabinet to operate!

The PowerWalker VFI CPM 3/3 series is a modular solution with the capacity to reach 420kW output power. It features hot-swappable power modules available as 20kW and 30kW. Dedicated CPM Cabinets manage the flawless operation of the modules, resulting in very low Mean Time To Repair (MTTR) and parallel redundancy.



Each unit is equipped with dual input, communication ports, including extension slot. The CPM cabinets can be equipped with UPS modules, battery slots or a combination of both, allowing many different solutions and offering the highest degree of flexibility



VFI 20k CPM



VFI 30k CPM

Each 20kW module provides 6A charging current, and 30kW module 8A, allowing it to support effortlessly even with big battery banks. The CPM series combines high flexibility and scalability with great performance and power, making it the optimal solution for all kinds of scenarios.

THE MODULAR, SCALABLE SOLUTION



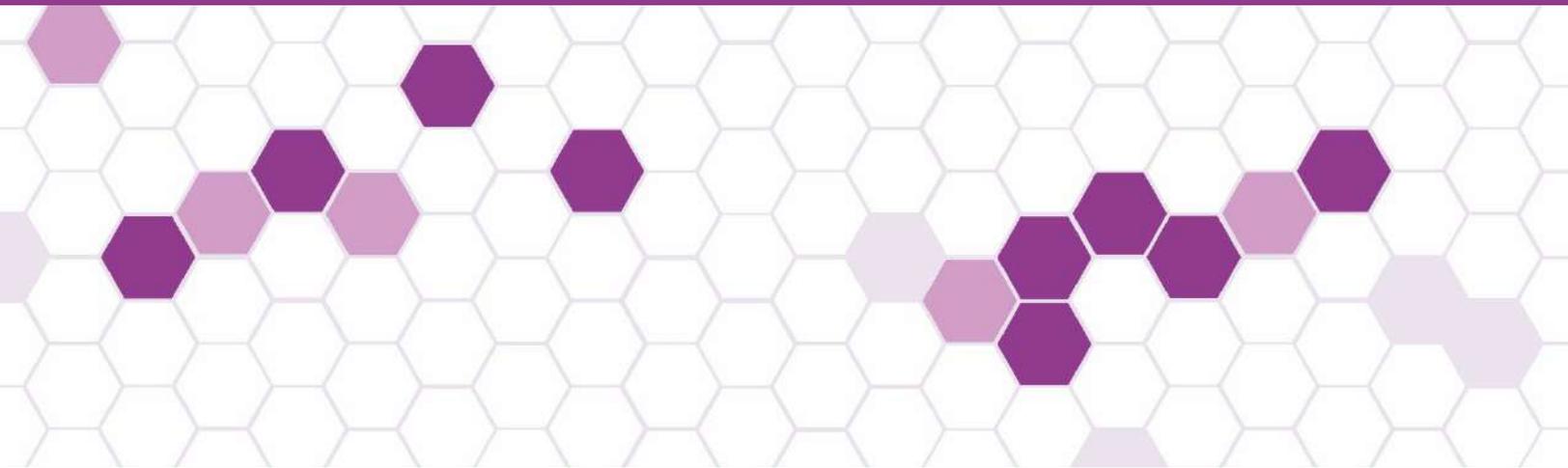
Each UPS consists of at least a CPM Cabinet, power modules and batteries. Different models of CPM Cabinets determine power capacity and functionality, featuring various combinations of slots for power module and battery module. Additionally, each CPM Cabinet includes a Switch Module, an STS Module and an LCD Panel (optionally 10" touch panel). CPM Cabinets are available in the sizes 30U and 42U, with a compact economy version available in 15U (the CPM Cabinets can also operate in parallel, doubling your capacity).

This series offers a broad range of solutions for different needs! Therefore, we recommend that you contact us for more details, for a customized offer!

General Features	Values	
Power Capacity	20000VA/ 20000W	30000VA/ 30000W
Output Power Factor	1.0	
LINE Mode Full Load	94.5%	
Charger	6A per Module (each is settable)	8A per Module (each is settable)
Parallel Work (Units)	Up to 10 of the same size	
Input Specifications	Values	
Input Voltage Range	305-478 VAC at 100% load or 208-478 VAC at <70% load	
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	3x 380/400/415 VAC (3Ph+N+G)	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	Ext. Battery	
DC Voltage	32-40 x 12V	
Recharge Time	-	
Full Load Backup Time	-	
Half Load Backup Time	-	
Transfer Time [AC to Battery]	0ms	
Transfer Time [Inverter to Bypass]	0ms	

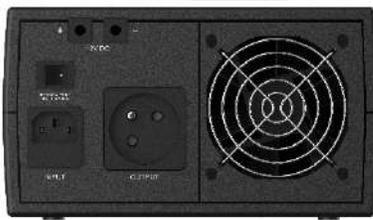


INVERTER/AVR

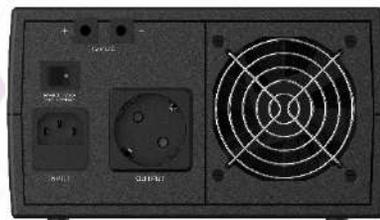


INVERTER 650 SW

- Pure Sine Wave Output
- Compact and lightweight
- Wide Input voltage range for all environments
- It supports AC generators
- Smart battery charger to extend battery life
- Dedicated Battery Packs available with 55Ah and 100Ah batteries
- Offers a selectable Input Voltage Range
- Inverter/Charger



Type F Outlets



Type E Outlets



PowerWalker Inverter SW is a lightweight home solution for long power failures. Although not apparent, it offers advanced functions, like a Pure Sine Wave output - delivering high-quality protection for your home appliance. It is paired with dedicated battery packs, available with different battery sizes, which can supply energy for long hours of work in case of power failure.

General Features	Values
Power Capacity	650VA/ 325W
Output Power Factor	0.50
LINE Mode Full Load	95.0%
Charger	15A
Input Specifications	Values
Input Voltage Range	190-260 VAC (narrow range) 100-280 VAC (wide range)
Frequency (Synchronized Range)	50Hz or 60Hz
Input Type	CEE 7/7
Output Specifications	Values
Nominal Output Voltage	230 VAC
Voltage Regulation	+/- 10%
Frequency (Battery Mode)	+/-1Hz
Outlets	Type F or Type E (1)
Battery Specifications	Values
Batteries	Only has external Batteries
DC Voltage	1 x 12V
Transfer Time [AC to Battery]	14 ms typical

INVERTER 700-1200 PSW



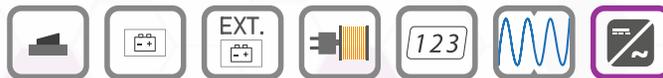
- Pure Sine Wave Output
- Wide Input voltage range for all environments
- It supports AC generators
- Smart battery charger to extend battery life
- Recommended for Batteries with 100-150Ah
- LCD Display provides system status
- Inverter/Charger
- Offers a selectable Input Voltage Range



Type F Outlets



Type E Outlets



The PowerWalker Inverter PSW is a Pure Sine Wave Inverter/Charger system offers selectable high charging current for batteries of 100-150Ah (recommended), which will support your load for a long time. Comprehensive LCD display provides system status. Device offers two working modes with narrow input voltage range, suitable for personal computers and other fragile equipment and wide input range that can sufficiently support home appliances.

General Features	Values	Values
Power Capacity	700VA/ 500W	1200VA/ 840W
Output Power Factor		0.70
LINE Mode Full Load		88.0%
Charger		10A or 15A (selectable)
Input Specifications	Values	
Input Voltage Range	170-280 VAC (narrow range) 90-280 VAC (wide range)	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	CEE 7/7	
Output Specifications	Values	
Nominal Output Voltage	230 VAC	
Voltage Regulation	+/- 5%	
Outlets	Type F or Type E (1)	
Battery Specifications	Values	
Batteries	Only has external Batteries	
DC Voltage	1 x 12V	
Transfer Time [AC to Battery]	10 ms narrow range 20 ms wide range	

INVERTER 3000-5000 PWM

- Pure Sine Wave Output
- Output Power Factor 1.0
- Configurable Battery charging Current
- It supports AC generators
- Smart battery charger to extend battery life
- Offers a selectable Input Voltage Range
- Inverter/Charger
- Configurable AC/ PV Charger Priority



PowerWalker Inverter 3000-5000 PWM series is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

General Features	Values	
Power Capacity	3000VA/ 3000W	5000VA/ 5000W
Output Power Factor	1.0	
LINE Mode Full Load	96.6%	
BATTERY Mode Full Load	88.2%	
PV Charger (Solar) & AC Charger	Values	
Solar Charger Type	PWM	
Max. PV Array Open Circuit Voltage	80 VDC	105 VDC
Max. PV Array Power	1200W	2400W
Max. Solar Charge Current	50A	50A
Max. AC Charge Current	25A	60A
Max. Charge Current	70A	110A
Input Specifications	Values	
Input Voltage Range	170-280 VAC (narrow range) 90-280 VAC (wide range)	
Frequency (Synchronized Range)	50Hz or 60Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	230 VAC	
Voltage Regulation	+/- 5%	
Outlets	Terminal (1)	
Battery Specifications	Values	
Batteries	Only works with external Batteries	
DC Voltage	2 x 12V	4 x 12V
Transfer Time [AC to Battery]	10 ms narrow range 20 ms wide range	

STORE THE POWER OF THE SUN

Operation and Display Panel



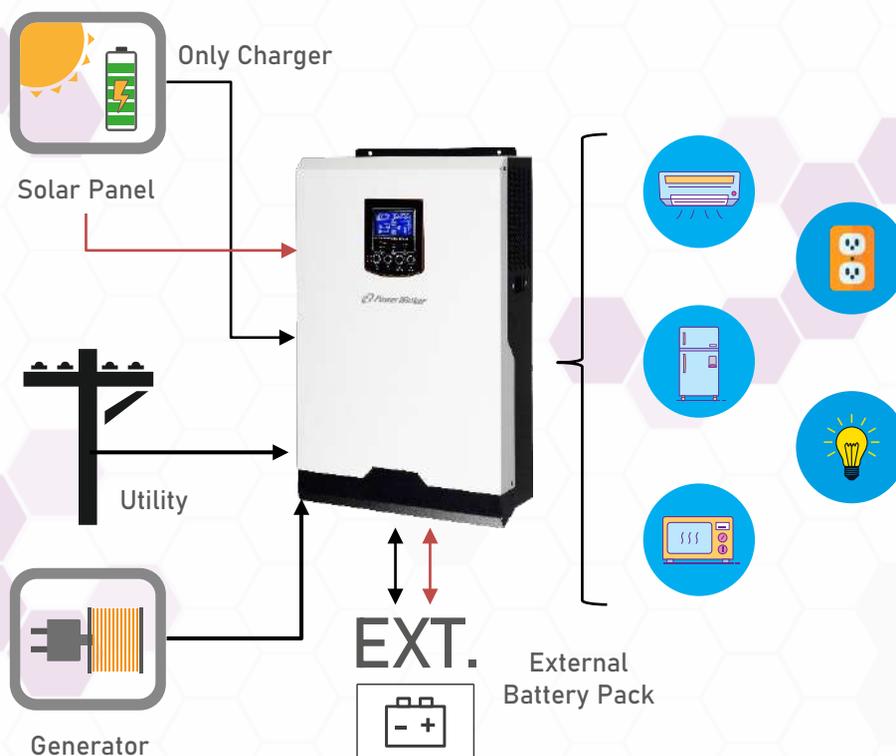
The operation and display panel show the front panel of the inverter. It includes three indicators, four function keys and an LCD display, indicating the operating status and input/output power information.

Back Side Panel



The rear panel is equipped with AC Input/Output, Battery connector, PV connector, USB Communication Port, an Earthing System and a Circuit Breaker Reset Button.

Basic Application



It can be used with the Utility Service or a Generator as Input Source. The strong PV charger allows fast recharging of the external batteries

(Note: The PV charger cannot be used as an Input Source for direct powering of the any Load).

The PowerWalker Inverter 3000-5000 PWM, due to its pure sine wave inverter operation, it can power all kinds of appliances at home or at the office environment, including motor-type appliances, lighting, fan, refrigerator and air conditioner.

AVR 600-1200

- Stabilizes the AC Mains Voltage
- Data Line Surge Protection
- Compact and Lightweight



WHAT IS A AUTOMATIC VOLTAGE REGULATOR?

These UPS has an integrated automatic voltage regulation (AVR) for a stabilized and safe output voltage supply. Provides clean, consistent AC power by automatically regulating low voltages (Boost Mode) and over voltages (Buck Mode), within defined tolerances, when incoming utility power has minor fluctuations.

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.), while prolonging the life of these.



The PowerWalker 600-1200 AVR is a voltage regulator which accepts a wide input voltage range (180-264VAC). It provides stable output voltage through boost and buck stabilizer. The built-in thermal sensor provides over-temperature protection and recover, while abnormal situations are eliminated..

General Features	Values		
Power Capacity	600VA/ 360W	1000VA/ 600W	1200VA/ 720W
Output Power Factor	0.60		
LINE Mode Full Load	93.8%		
Input Specifications	Values		
Input Voltage Range	180-264 VAC		
Input Type	CEE 7/7		
Output Specifications	Values		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 8%		
Outlets	Type F (3)		
Technical Details	Values		
Surge protection	430/250 Joule		
Protection	Short-Circuit, Over-Temperature, Overload		

AVR 1500-3000 SIV



- **Selectable Input Voltage Range** for home appliances and personal computers
- **Time Delay Function:** eliminates transients that can affect connected equipment
- **Microprocessor Control:** guarantees high reliability
- **Multiple operative Modes:** they active automatically depending on the Input Voltage



The PowerWalker AVR SIV series are automatic voltage regulators with selectable input voltage 150-270VAC or wide 110-280VAC. It provides output voltage within allowed limit of +/-10% (207-253VAC) through boost and buck stabilizers. The built-in thermal sensor provides over-temperature protection and recover, while abnormal situations are eliminated.

The device works in following Modes depending on input voltage:

- Input 252-270/280 VAC – **Buck Mode** -10% regarding input voltage
- Input 207-252 VAC – **Normal Operation**
- Input 173-211 VAC – **First Boost** +20%
- Input 110/150-178 VAC – **Second Boost** +40%
- Input <110 VAC in wide range or <150 VAC in normal mode – **AVR off**

Additionally, you can turn on protection delay function which will increase protection reaction time from 10s to 3 minutes for less sensitive devices..

General Features	Values		
Power Capacity	1500VA/ 1200W	2000VA/ 1600W	3000VA/ 2400W
Output Power Factor	0.80		
LINE Mode Full Load	95.0%		
Input Specifications	Values		
Input Voltage Range	110-280 VAC or 150-270 VAC		
Input Type	CEE 7/7	IEC C20	
Output Specifications	Values		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 8%		
Outlets	Type F or Type E (2)	Type F or Type E (1) + IEC C19 (1)	
Technical Details	Values		
Surge protection	312 Joule	312 Joule + 190 Joule	
Protection	Over-Voltage, Under-Voltage, Over-Heat, Over-Current, Surge, Spike Suppression		

ICONS & FEATURES



Wall Mountable



Tower or Rack



Power Factor 1.0



Supports Devices with APFC



USB Type A Port



Earthing System



Auto. Voltage Regulator



USB Type B Port



Parallel Connectivity



Human Interface Device Supp.



USB Type C Port



Hot-Swappable Batteries



Pure Sine Wave



Circuit Breaker Reset



Dry Contacts



Data Line Protection



Management Card Slot



PV Charging Supported



Generator Compatible



Ethernet Port



Optimized Battery Management



Emergency Power Off Port



Ext. Battery Compatible



Ext. Battery Module Auto-Detection



LCD Display



Programmable Segments



Fixed Dry Contacts



Monitoring Software



Maintenance Bypass Switch



Potential Equalization Screw



Battery Pack Available



Input Breaker



Dual Input



RS-232 Input



Output Breaker

A glowing yellow lightbulb is centered in the frame against a solid pink background. Inside the bulb, a white and black pen nib is positioned vertically, with the tip pointing downwards. The lightbulb is illuminated from within, creating a warm yellow glow. The text is overlaid on the image in a bold, white, sans-serif font.

IF YOU HAVE ANY IDEAS OR
QUESTIONS,
PLEASE DO NOT HESITATE
TO CONTACT US! :)

Product Highlights



VI GXB | Gaming UPS | P. 24-25



VFI ICT ICR IoT | Cloud Monitoring | P. 38-41 & 55



Inverter PWM | Solar Charger | P. 66-67



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