VFI 1000-3000 ICT/ ICR IoT

STAY CONNECTED TO THE CLOUD

| ON LINE | PF1 | | | 123 | HID SUPPORTED | | | | | | EBM Auto-Detect | | | DRY | | | OBM | | |

- **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**

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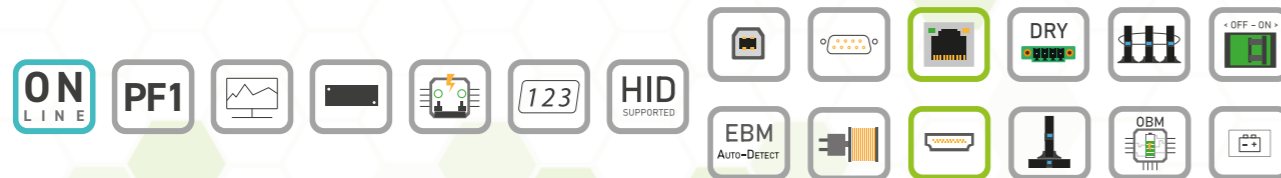
- Status Monitoring
- Event Logs
- Scheduled Battery Test
- E-Mail + Mobile App Notifications
- Admin + Viewer Profile Setup

TÜVRheinland® CERTIFIED

Microsoft Azure Cloud

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.

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

CLOUD MONITORING

- **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**

2U

5U

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.

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).

Microsoft Azure Cloud

PowerWalker Winpower App

Ethernet Cable   WLAN Dongle

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	

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.