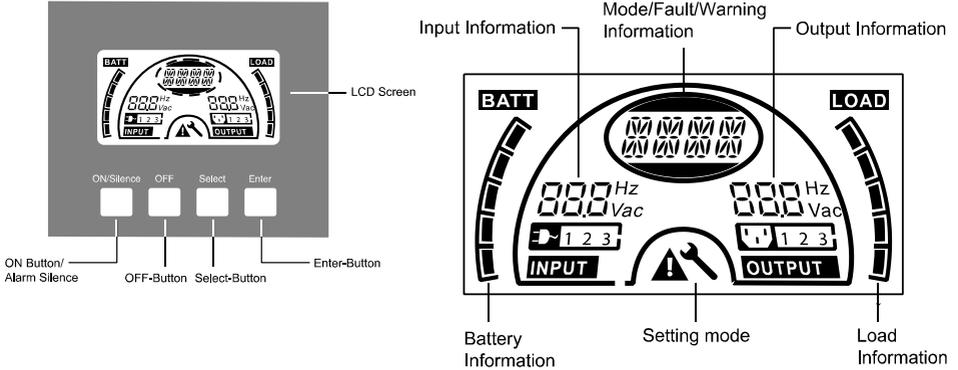


PowerWalker VFI 1000-3000 TG/TB/TGS

Quick Guide

I. Panel Description



II. Button

Switch	Function
ON/Silence Button	By pressing the ON-Button continuously for more than 1 second the UPS system is turned on. By pressing this Button an acoustic alarm can be deactivated in the battery mode. By short touch this Button all acoustic alarms can be deactivated in all modes. By pressing this Button the UPS can do the battery test in the Line mode or ECO mode or CVCF mode.
OFF Button	When mains power is normal, the UPS system switches to No output or Bypass mode by pressing OFF-Button "⏏", and the inverter is off. At this moment, if Bypass is enabled, then the output sockets are supplied with voltage via the bypass if the mains power is available. By pressing this Button an acoustic alarm can be deactivated in the bypass mode. Release the UPS from fault mode and EPO status.
Select Button	The output voltage, frequency, Bypass disable/enable and operating mode in No output or Bypass mode, Battery Ah, Battery remain time display disable/enable and Charger current in all mode, could be selected by pressing Select-Button, and confirmed by pressing Enter-Button.
Enter Button	

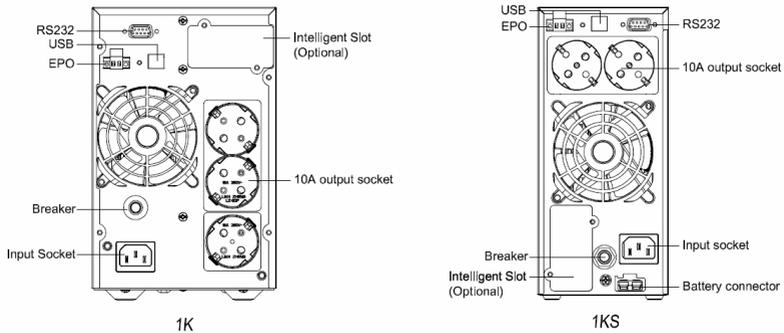
III. Display

Display	Function
	It indicates input voltage/frequency value, which are displayed alternately.

	It indicates the input is connected with mains, and the input power is single phase input.	
	It indicates output voltage/frequency value, which are displayed alternately.	
	It Indicates the operating mode or Fault kind or Warning kind or battery remain time, several warning kinds at the same time could be displayed alternately.	
	It indicates the UPS is in setting mode.	
	It indicates the UPS is in Fault mode or has some warnings.	
	It indicates the load level. Every grid represents the level of 20%. One grid would be displayed if the level is 0~20%	It indicates the battery Power. Every grid represents the Power of 20%.

IV. Rear panel

The graphic below applies to VFI 1000 TG and VFI 1000 TGS. Models of different Power (2000/3000VA) might have different location of components.



V. Audible alarm function

NO.	Status	Alarm
1	Battery mode	Beep once every 4 sec
2	Battery mode with battery low	Beep once every sec
3	Bypass mode	Beep once every 2 min
4	Overload	Beep twice every sec
5	Warning active (see Warning& Fault Code	Beep once every sec

	Table)	
6	Fault active	Beep continuously
7	Button function active	Beep once

VI. Operating Modes

The different message/string would be displayed on the LCD screen corresponding to their operating modes. If more conditions apply, the string will circulate on the screen.

String	Description
LINE	Line Mode
bATT	Battery Mode
bYPA	Bypass Mode
STbY	Standby Mode (No output)
TEST	Battery Test Mode
ECO	ECO Mode (UPS offers better efficiency, but with transfer time. Double-conversion is bypassed)
CVCF	Constant Voltage Constant Frequency. Converter Mode (Fixed output frequency. Output power must be reduced to 60%)
SITE	Site fail (Please check input connection, for example plug can be turned to swap Line and Neutral)
EPO	Emergency Power Off (reset EPO first)

In case of other code, please consider this as a fault. Turn off the UPS and contact service.

VII. Setting by LCD Module

In bypass or no standby mode, press “Enter” button to enter setting mode. The middle section displays setting entry. The right section display current value of the setting. Press enter to edit the value; the right section will start to blink. Press “select” to change the value. Press “enter” again to confirm and save the setting.

If nothing was pressed for more than 10s, the setting mode will exit automatically.

Each button pressing must last longer than 1 second.

Setting Entry	Description
OPV	Output Voltage Setting (220/230/240V)

OPF	Output Frequency
bYPA	Bypass Mode (000 = disabled bypass; 001 = enabled bypass)
MOdE	UPS (normal mode), ECO (high efficiency mode), CVF (converter mode)
EbAH	External Battery Ah (Power) values 005-300 means 5-300Ah
bATT	Battery Remaining Time (000 = disabled time display; 001 = enabled)
CHG	Charging current (value in Ampere)

VIII. Technical Specification

Model No.	1000 TG(B)	1000 TGS	2000 TG(B)	2000 TGS	3000 TG(B)	3000 TGS
Input	Single Phase 176-300 VAC or 80-285 VAC in bypass mode with 40-70Hz					
Output	Single Phase 220/230/240V with 50/60Hz					
DC Voltage	24V	24V	48V	48V	72V	72V
Power	9Ah	5Ah~120Ah*	9Ah	5Ah~120Ah*	9Ah	5Ah~120Ah*

Model No.	VFI 1000 TG/TGB/TGS	VFI 2000 TG/TGB/TGS	VFI 3000 TG/TGB/TGS
Power rating	1kVA/0.9kW	2kVA/1.8kW	3kVA/2.7kW

Ambient Temperature	0 °C to 40 °C
Operating humidity	< 95%
Altitude	< 1000m ^(Note 1)
	1000m < Altitudes ≤ 3000m ^(Note 2)
Storage temperature	-25 °C ~ 55 °C

Note 1: the load no derating

Note 2: the load should derating 1 % for every up 100m