

## PowerWalker VFI 6000-10000 TGB/TGS Series

- True Double Conversion Technology with high output Power Factor 1.0
- Human Interface Device (HID) compatible USB connection (no additional drivers needed)
- Highly efficient (>95%), Energy saving solution with long autonomy time in great price
- 3-level inverter topology for increased efficiency and high power density
- Parallel operation up to 3 units of the same size

The PowerWalker VFI 1000-10000 TG/TGB/TGS offer a professional solution for home and office environment. They are available with different designs:

- TG: With internal battery; ranges from 1000-3000VA
- TGB: With internal battery and battery connector for external battery packs; ranges from 1000-10000VA
- TGS: Without internal batteries, but with a strong charger and battery connector; ranges from 1000-10000VA

The VFI TG/TGB/TGS series are detected as Human Interface Device (HID) Power Device by the internal O/S drivers and can be managed without additional software. It finds its application in all dedicated systems for kiosks, ATMs as well as in high security level systems, where additional software is not allowed (i.e. banking).

Voltage	SERIES	VFI 6000-10000 TGB & TGS						
110-160VAC range linear between 50-100% load	INPUT							
110-160VAC range linear between 50-100% load     Input PF	Voltage	160-276 VAC at 100% load						
Frequency Range  45Hz - 55Hz / 55Hz - 65Hz 40Hz - 70Hz at load ≤60%  OUTPUT  Voltage  208/220/230/240 VAC  Pure Sine Wave  THDv  ≤1% Full Linear Load; ≤5% Non-Linear Load  Voltage Regulation (Bat. Mod.)  £1%  Frequency (Battery Mode)  £0,1Hz  TECHNICAL DETAILS  Load Crest Ratio  3:1  Transfer Time [AC to Battery]  Oms  Generator support  Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Yes  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	voltage							
Frequency Range  A0Hz - 70Hz at load ≤60%  OUTPUT  Voltage  208/220/230/240 VAC  Pure Sine Wave  THDv  ≤1% Full Linear Load; ≤5% Non-Linear Load  Voltage Regulation (Bat. Mod.)  Frequency (Battery Mode)  #10,1Hz  ### TECHNICAL DETAILS  Load Crest Ratio  3:1  Transfer Time [AC to Battery]  Oms  Transfer Time [Inverter to Bypass]  Generator support  Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Yes  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	Input PF	≥ 0.995 at full load						
OUTPUT  Voltage	Frequency Range							
Voltage         208/220/230/240 VAC           Pure Sine Wave         Yes           THDV         ≤1% Full Linear Load; ≤5% Non-Linear Load           Voltage Regulation (Bat. Mod.)         ±1%           Frequency (Battery Mode)         ±0,1Hz           TECHNICAL DETAILS           Load Crest Ratio         3:1           Transfer Time [AC to Battery]         0ms           Transfer Time [Inverter to Bypass]         0ms           Generator support         Yes           Overload Capacity         10min @105%-125%; 30s @125%-150%; 500ms @ >150%           External Battery Connection         Yes           Parallel operation         Yes, up to 3 units of the same size           COMMUNICATION AND CONNECTIONS         WinPower           USB         Yes, with HID support           RS-232         Yes           Intelligent Slot         Yes	. , ,	40Hz - 70Hz at load ≤60%						
Pure Sine Wave Yes  THDV ≤1% Full Linear Load; ≤5% Non-Linear Load  Voltage Regulation (Bat. Mod.) ±1%  Frequency (Battery Mode) ±0,1Hz  TECHNICAL DETAILS  Load Crest Ratio 3:1  Transfer Time [AC to Battery] 0ms  Transfer Time [Inverter to Bypass] 0ms  Generator support Yes  Overload Capacity 10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection Yes  Parallel operation Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software WinPower  USB Yes, with HID support  RS-232 Yes  Intelligent Slot Yes	OUTPUT							
### THDV	Voltage	208/220/230/240 VAC						
Voltage Regulation (Bat. Mod.)	Pure Sine Wave	Yes						
### Trequency (Battery Mode)	THDv	≤1% Full Linear Load; ≤5% Non-Linear Load						
TECHNICAL DETAILS  Load Crest Ratio  Transfer Time [AC to Battery]  Oms  Transfer Time [Inverter to Bypass]  Generator support  Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Yes  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  WinPower  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	Voltage Regulation (Bat. Mod.)	±1%						
Load Crest Ratio  3:1  Transfer Time [AC to Battery]  Oms  Transfer Time [Inverter to Bypass]  Generator support  Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Yes  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  WinPower  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	Frequency (Battery Mode)	±0,1Hz						
Transfer Time [AC to Battery] Oms Transfer Time [AC to Battery] Oms Generator support Ves Overload Capacity 10min @105%-125%; 30s @125%-150%; 500ms @ >150% External Battery Connection Yes Parallel operation Ves, up to 3 units of the same size COMMUNICATION AND CONNECTIONS Software WinPower USB Yes, with HID support RS-232 Yes Intelligent Slot Yes	TECHNICAL DETAILS							
Transfer Time [Inverter to Bypass] Oms Generator support Yes Overload Capacity 10min @105%-125%; 30s @125%-150%; 500ms @ >150% External Battery Connection Yes Parallel operation Yes, up to 3 units of the same size COMMUNICATION AND CONNECTIONS Software WinPower USB Yes, with HID support RS-232 Yes Intelligent Slot Yes	Load Crest Ratio	3:1						
Generator support  Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  WinPower  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	Transfer Time [AC to Battery]	0ms						
Overload Capacity  10min @105%-125%; 30s @125%-150%; 500ms @ >150%  External Battery Connection  Parallel operation  Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software  WinPower  USB  Yes, with HID support  RS-232  Yes  Intelligent Slot  Yes	Transfer Time [Inverter to Bypass]	0ms						
External Battery Connection Yes Parallel operation Yes, up to 3 units of the same size COMMUNICATION AND CONNECTIONS Software WinPower USB Yes, with HID support RS-232 Yes Intelligent Slot Yes	Generator support	Yes						
Parallel operation Yes, up to 3 units of the same size  COMMUNICATION AND CONNECTIONS  Software WinPower  USB Yes, with HID support  RS-232 Yes  Intelligent Slot Yes	Overload Capacity	10min @105%-125%; 30s @125%-150%; 500ms @ >150%						
COMMUNICATION AND CONNECTIONS  Software WinPower  USB Yes, with HID support  RS-232 Yes  Intelligent Slot Yes	External Battery Connection	Yes						
Software         WinPower           USB         Yes, with HID support           RS-232         Yes           Intelligent Slot         Yes	Parallel operation	Yes, up to 3 units of the same size						
USB Yes, with HID support RS-232 Yes Intelligent Slot Yes	COMMUNICATION AND CONNEC	TIONS						
RS-232 Yes Intelligent Slot Yes	Software	WinPower						
Intelligent Slot Yes	USB	Yes, with HID support						
0	RS-232	Yes						
EPO Yes	Intelligent Slot	Yes						
	EPO	Yes						





**ACCESSORIES** 



10120599 - Mini NMC Card



10120545 - EMD for NMC Card



10120592 - Mini Modbus Card 3



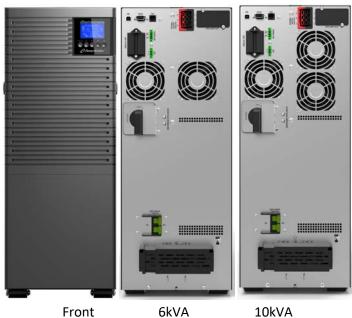
10120597 - Mini AS400 Card 4





## **VFI TGB Series**

**VFI TGS Series** 





6kVA 10kVA Front 6kVA 10kVA

MODEL	VFI 6000 TGB	VFI 10000 TGB	VFI 6000 TGS	VFI 10000 TGS			
Item Number	10122124	10122125	10122126	10122127			
EAN	4260074980110	4260074980127	4260074980134	4260074980141			
Power (kVA)	6000VA	10000VA	6000VA	10000VA			
Power (kW)	6000W	10000W	6000W	10000W			
BATTERIES							
Batteries	16x 12V/7Ah	16x 12V/9Ah	None				
Battery Connector			Yes				
DC Voltage	192\	VDC	240VDC				
Charger	0-4A [Default 1.4A]	0-4A [Default 2A]	0-12A [4A]				
Charging Time	3h to	90%	Dotton unlated				
Full Load Backup Time	4m	nin	Battery related				

## **BATTERY PACKS AND BACKUP TABLE**

MODEL	FULL LOAD	HALF LOAD	1000W	2000W	3000W	4000W	5000W	6000W	7000W	8000W	9000W	10000W
VFI 6000 TGB												
VFI 6000 TGB	4.0	10.7	49.8	19.1	10.7	7.1	5.2	4.0				
+ 1 x BP S192T-32x7Ah	18.3	47.6	222.5	83.2	47.6	32.0	23.5	18.3				
VFI 10000 TGB												
VFI 10000 TGB	2.8	7.1	64.1	23.8	14.3	9.7	7.1	5.5	4.5	3.7	3.2	2.8
+ 1 x BP S192T-32x9Ah	12.4	31.9	308.5	114.5	64.1	43.3	31.9	24.9	20.2	16.8	14.3	12.4



