

VFI 1000-3000 TGB/TGS Series

- Online technology with Power Factor 0.9
- HID support (Human Interface Device)
- Wide Input Range 100-300VAC for all environments
- Available with integrated batteries or with stronger charger for external batteries

The VFI 1000-3000 TGB and its long-run version VFI 1000-3000 TGS offer a professional solution for home and office environment. The models are either available with internal batteries (TGB) or alternatively with stronger charger for external batteries (TGS).

All VFI TGB/TGS series are detected as 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).



ACCESSORIES



10120599 - Mini NMC Card



10120545 - EMD for NMC Card



10120592 - Mini Modbus Card 3



10120597 - Mini AS400 Card 4

SERIES	VFI 1000-3000 TGB & TGS	
INPUT		
Voltage	176-300 VAC or 80-285 VAC in bypass mode	
Max THDi	<5%	
Input PF	≥ 0.99 at full load	
Frequency Range	40Hz - 70Hz	
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz	
OUTPUT		
Voltage	220/230/240 VAC	
Pure Sine Wave	Yes	
THDv	≤2% Full Linear Load; ≤5% Non-Linear Load	
Voltage Regulation (Bat. Mod.)	±2%	
Frequency (Battery Mode)	±0,05Hz	
TECHNICAL DETAILS		
Load Crest Ratio	3:1	
Transfer Time [AC to Battery]	0ms	
Transfer Time [Inverter to Bypass]	4ms	
Generator support	Yes	
Overload Capacity	Line Mode: constant @100%-105% 1min @105%-130%; 10s @130%-150% 300ms @>150%; bypass at higher	Battery Mode: 10s @100%-150% cut-off at higher
External Battery Connection	Yes	
Fan Logic	Always ON Low speed: bypass/ECO or line mode with load below 70% High speed: Battery mode or line mode with load above 70%	
COMMUNICATION AND CONNECTIONS		
Software	WinPower	
USB	Yes, with HID support	
RS-232	Yes	
Intelligent Slot	Yes	
EPO	Yes	

VFI TG Series


VFI 1000 TGB

VFI 2000 TGB

VFI 3000 TGB

VFI TGS


VFI 1000 TGS

VFI 2000 TGS

VFI 3000 TGS

MODEL	VFI 1000 TGB	VFI 2000 TGB	VFI 3000 TGB	VFI 1000 TGS	VFI 2000 TGS	VFI 3000 TGS
Item Number	10122098	10122099	10122100	10122044	10122045	10122046
Power (kVA)	1000VA	2000VA	3000VA	1000VA	2000VA	3000VA
Power (kW)	900W	1800W	2700W	900W	1800W	2700W
BATTERIES						
Batteries	2x 12V/9Ah	4x 12V/9Ah	6x 12V/9Ah	Not included, compatible with 5-120Ah		
Battery Connector	Yes					
DC Voltage	24VDC	48VDC	72VDC	24VDC	48VDC	72VDC
Charger	1.5A			3A / 6A	1.5A / 3A / 4.5A / 6A	
Charging Time	4h to 90%			Battery related		
Full Load Backup Time	4.5min			Battery related		
OUTLETS						
IEC C13	4	4	4	3	6	3
IEC C19	0		1	0		
Terminal	No			Yes		

BATTERY PACKS AND BACKUP TABLE

MODEL	FULL LOAD	HALF LOAD	100W	200W	300W	400W	500W	750W	1000W	1500W	2000W
VFI 1000 TGB											
VFI 1000 TGB	3.7	10.5	56.8	28.6	17.4	11.6	8.9	5.2			
+ 1 x BP S24T-6x9Ah	31	75	>90	>90	>90	88	66	42			
+ 2 x BP S24T-6x9Ah	63	>90	>90	>90	>90	>90	>90	81			
VFI 2000 TGB											
VFI 2000 TGB	3.8	11.0	90.6	60.7	38.9	29.0	21.4	13.3	9.3	5.3	
+ 1 x BP S48T-12x9Ah	31	75	>90	>90	>90	>90	>90	>90	66	42	
+ 2 x BP S48T-12x9Ah	63	>90	>90	>90	>90	>90	>90	>90	>90	81	
VFI 3000 TGB											
VFI 3000 TGB	3.9	11.7	105.7	88.7	60.7	46.0	44.8	23.8	17.0	9.7	6.6
+ 1 x BP S72T-12x9Ah	21	54	>90	>90	>90	>90	>90	>90	75	48	32
+ 2 x BP S72T-12x9Ah	44	>90	>90	>90	>90	>90	>90	>90	>90	89	61
VFI 1000 TGS											
+ 1 x BP S24T-6x9Ah	18.1	49.3	174.9	104.7	72.4	52.1	43.4	23.8			
+ 2 x BP S24T-6x9Ah	50.6	100.8	407.4	215.2	132.0	104.7	92.1	59.4			
VFI 2000 TGS											
+ 1 x BP S48T-12x9Ah	18.4	50.6	280.3	184.0	81.0	105.7	90.9	56.5	44.8	24.3	
+ 2 x BP S48T-12x9Ah	51.3	102.8	596.1	426.6	262.2	218.6	169.6	111.3	94.3	59.9	
VFI 3000 TGS											
+ 1 x BP S72T-12x9Ah	10.1	28.8	218.6	164.1	116.5	95.6	73.9	42.7	44.8	25.2	16.4
+ 2 x BP S72T-12x9Ah	28.8	73.1	475.0	378.6	262.2	184.0	179.5	115.5	94.3	62.3	46.9



BPs available with:
 3x2x9Ah for 1000VA
 3x4x9Ah for 2000VA
 2x6x9Ah for 3000VA