

# VFI 1000-3000 TG/ TGB/ TGS

- Human Interface Device (HID) supported
  - An All-Rounder series
  - It supports AC Generators
  - It includes an Intelligent Slot
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- 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 or 80x285 VAC in Bypass Mode |     |              |                                  |     |              |                                  |     |                            |
| Frequency (Synchronized Range)     | 40Hz - 70Hz                              |     |              |                                  |     |              |                                  |     |                            |
| Input Type                         | IEC C14 or IEC C14 <sup>UK</sup>         |     |              | IEC C14 or IEC C14 <sup>UK</sup> |     |              | IEC C20 or IEC C20 <sup>UK</sup> |     |                            |
| 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)



TGB Series

TGS Series

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                                                  |              |                 |              |