

PowerWalker VFI 40000TP 3/3 BI

Online UPS

40000VA Online UPS

3 phase in / 3 phase out

Parallel and parallel redundant (N+X) system setup with already integrated communication slots

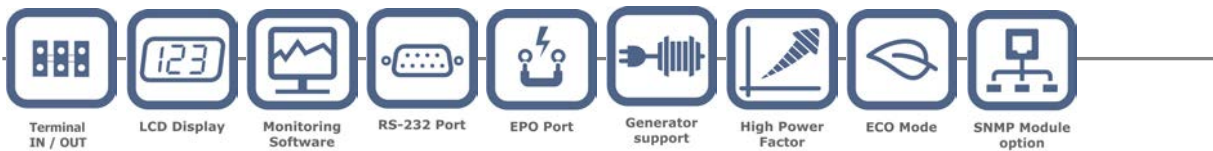
AS/400 port, Intelligent slot, EPO, RS-232, RS-485, extended slot, parallel communic. port, integrated MBS

Dual Feed input, Terminal- in and - out , IP21 compliant design

Optional: SNMP module, Battery Pack, USB-Card



Item-No. 10120176



Product Features

With its true double-conversion online UPS design it fits perfectly to any environment where uninterrupted power feed is required to secure critical equipment's continuous operation. Multiple communication ports allow integrating the UPS in existing structures. This model provides a perfect solution for power protection, and solves power quality problems such as surges, spikes, voltage fluctuations, harmonic distortion, clutter interference and frequency fluctuations.

Each phase is independently double converted and regulated. In addition, PFC (power factor control) controller is used for real time control and data processing, ensuring high availability at all times. Further extent reliability is accomplished by introducing intelligent charge mode which significantly prolongs service life of batteries. Also, possibility to have dual feed on UPS input adds availability thus increases reliability of system.

IP21 compliant design makes it a perfect fit to industrial and other applications, where harsh environmental conditions may set extent requirements to mechanical design. Optional filter is also available for further protection against the smallest damaging particles.

- True double-conversion with pure sine wave output
- Monitoring software included
- Wide input voltage range of 210 to 475 Vac
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- N+X Parallel Redundancy for up to 8 UPS of same size



Backside view



LCD + LED Display



Technical Details

Product Features

| | |
|----------|----------------|
| Capacity | 40000VA/32000W |
|----------|----------------|

Input

| | |
|-----------------|--|
| Voltage | 400 Vac (L-L), 230 Vac (L-N) |
| Voltage Range | 285-475VAC @ Full Load 210-475VAC @ <70% Load |
| Phase | 3-Phase + Neutral + Ground |
| Dual-line Input | Yes |
| THDi | <5% |
| Frequency Range | 40-70Hz (self-adaptive to 50Hz/60Hz) |
| Power Factor | ≥ 0.99 |
| Generator Set | 2.2 x UPS Rating Power |

Output

| | |
|--------------------------------|---|
| Voltage | 346/360/380/400/416VAC Derating 10% with 346/360VAC |
| Frequency (Synchronized Range) | 46-54Hz/56-64Hz |
| Frequency (Battery Mode) | 50/60Hz ± 0.05Hz |
| Current Crest Ratio | 3:1 |
| Harmonic Distortion | ≤ 2% THD (Full Linear Load) ≤ 5% THD (Non-Linear Load) |
| Waveform | Pure Sine Wave |
| Overload Capability | 10 min @ 110-125% 1 min @ 125-150% 0.5 sec @ >150% |

Efficiency

| | |
|-----------------|------|
| AC/Battery Mode | >93% |
| Eco Mode | >98% |

Transfer Time

| | |
|--------------------|-------|
| AC to DC | Zero |
| Inverter to Bypass | Zero |
| ECO to Inverter | <10ms |

Battery

| | |
|------------------|--------------------------|
| Internal | 128pcs. of 12V batteries |
| Charging Current | ± 4.5A |

Bypass

| | |
|---------------|-----|
| Static Bypass | Yes |
| MBS | Yes |

Display

| | |
|------------|-----------|
| Indicators | LED + LCD |
|------------|-----------|

Connections

| | |
|------------------|-----------------------------|
| Communication | RS-232, RS-485 |
| Outlets | Terminal outlet |
| Intelligent Slot | Yes |
| AS-400 Port | Yes |
| EPO | Yes |
| Parallel Port | Yes, up to 8 UPS (built in) |

Software & System Requirements

| | |
|------------------|---|
| Software | WinPower |
| Operating System | For details visit: http://www.powerwalker.com/winpower.html |

Product Details

| | |
|-------------|------------------------------------|
| Dimensions | 470 x 700 x 1752.5 mm |
| Colour | Black |
| Weight | 515 kg |
| Fan Control | Always on, automatic speed control |
| Noise Level | < 55dB @ 1 Meter |
| Model Code | VFI 40000TP 3/3 BI |

Environment

| | |
|-------------|---------------------------|
| Temperature | 0°C – 40°C |
| Humidity | 20 - 90% (non-condensing) |

Package Content

| | |
|-----------------|---|
| Package Content | PowerWalker VFI 40000TP 3/3 BI, manual, RS-232 cable, Software CD |
|-----------------|---|

Optional Accessories

| | |
|-----------------|--|
| SNMP/NMC Module | |
| t.b.c. | |

Logistic Data

| | |
|------------------|---------------------------|
| Giftbox Language | EN |
| Manual Language | EN |
| Dimension/Pallet | 974 x 743 x 2008 mm |
| Weight/Pallet | 575 kg |
| Pieces/Carton | 1 |
| Pieces/Pallet | 1 |
| Item Number | 10120176 |
| EAN-Code | 4260074976069 |
| Warranty | 24 Month (except battery) |

Available accessories



Mini NMC Card
Datasheet: N/A
Item No.: 10120599



EMD for NMC Card
Environmental Monitoring Device
Monitor Temperature & Humidity
Datasheet: [Link](#)
Item No.: 10120545

Mini Modbus Card
Datasheet: N/A
Item No.: 10120592

USB / RS-232 Card
For 3P/3P Series BX/BE/BI
Datasheet: N/A
Item No.: 10120591



Yuasa 12V/7Ah battery
Datasheet: [Link](#)
CSB or Panasonic brand
can also be used



Yuasa 12V/9Ah battery
Datasheet: [Link](#)
CSB or Panasonic brand
can also be used



USB cable
Item Nr.: 91010011

RS-232 cable
Item Nr.: 91010012



Parallel Cable 5m
For VFI 3P/3P Series BX/BE/BI



Parallel Cable 10m
For VFI 3P/3P Series BX/BE/BI

Use UPS configurator on www.powerwalker.com for detailed backup time information.

Version: EN 12/12/2014
We reserve the right for technical changes and mistakes.