

PowerWalker VFI 1000RTS LCD

Online UPS

1000VA Online UPS with 0.9 Output Power Factor

2-in-1 Rack/Tower Design with LCD display

8 IEC Outlets, Dry contacts (in/out), EPO function

USB & RS-232 Connection for monitoring

Optional: SNMP module, AS/400 card, Modbus Card, MBS, ATS, Rack installation kit, Battery Pack



Item-No. 10120180

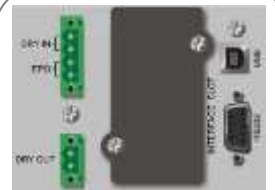


Product Features

With true double-conversion online UPS design, PowerWalker VFI 1000RTS provides powerful and overall protection to your sensitive devices. It can accept wide input voltage for harsh environment. It offers full protection for critical devices such as sensitive servers, network/telephone communication systems as well as for industrial applications.

With its slim design it only requires 2U valuable space of your rack system. The UPS can be installed in 19" rack systems or used as tower.

- True double-conversion with pure sine wave output
- Output power factor 0.9
- Monitoring software included
- Wide input voltage range (120-276 VAC)
- Input power factor correction
- Input THDi <5%, Output THDv <2%
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Programmable power management outlet
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- Smart battery charger to extend battery life
- Optional: Rack installation kit, SNMP module, dry contact AS/400 card, Modbus card, Battery Pack, MBS, ATS



Dry contacts, Intelligent slot, EPO, RS-232, USB



8x IEC outlets (programmable)

Technical Details

Product Features

| | |
|----------|-------------|
| Capacity | 1000VA/900W |
|----------|-------------|

Input

| | |
|---|----------------------------------|
| Voltage Range (based on voltage range) | 120-276VAC Depends on Load Level |
| Frequency Range | 45-55Hz/54-66Hz |
| Power Factor | ≥ 0.99 at Full Load |

Output

| | |
|-----------------------------------|-------------------------|
| Voltage | 208/220/230/240 ± 1% |
| Frequency (Synchronized Range) | 45-55Hz/54-66Hz |
| Frequency (Battery Mode) | 50/60Hz ± 0.2% |
| Current Crest Ratio | 3:1 |
| Harmonic Distortion | ≤ 2% (Full Linear Load) |
| Waveform | Pure Sine Wave |

Transfer Time

| | |
|--------------------|-------|
| AC to DC | Zero |
| Inverter to Bypass | Zero |
| Inverter to ECO | 1ms |
| ECO to Inverter | <10ms |

Battery

Optional Battery Pack

Overload capability

| | |
|------------------------------|------------------|
| Line Mode or Battery Mode | 12s @ 102%-130% |
| | 1.5s @ 130%-150% |
| | 100ms @ >150% |

Bypass

| | |
|-----------------------------|---|
| Before UPS Power-on | Default "No" Change to "Yes" via display panel |
| Overload und UPS Failure | Automatically transfer to bypass |
| By Setting | Voltage Rang: 120-276V ± 3% |

LCD Display (direction swappable)

| | |
|----------------|---|
| LCD Indicators | UPS status, Load level, Battery level, Input/Output voltage, AC mode, battery mode, Bypass mode, fault conditions |
| Display colour | Blue, red, red flashing (depends on UPS status) |

Audio Indicators

| | |
|---------|------------------------|
| 4 Modes | See manual for details |
|---------|------------------------|

Connections

| | |
|------------------|-----------------------|
| Communication | USB & RS-232 port |
| Outlets | 8x IEC (programmable) |
| Intelligent Slot | Yes |
| Dry contact | Yes (in/out) |
| EPO | Yes |

Software & System Requirements

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

Product Details

| | |
|-------------|------------------------------------|
| Dimensions | 438 x 436 x 86.5 mm |
| Colour | Black |
| Weight | 8,4 kg |
| Fan Control | Always on, automatic speed control |
| Noise Level | < 45dB at 1 Meter |
| Model Code | VFI 1000RTS LCD |

Environment

| | |
|-------------|--------------------------|
| Temperature | 0°C – 40°C |
| Humidity | 0 - 95% (non-condensing) |

Package Content

| | |
|-----------------|--|
| Package Content | PowerWalker VFI 1000RTS LCD, Input Power Cord, 2x IEC cable, USB and RS-232 cable, Software CD, Tower holder, Rack ears, EPO plug, Dry contacts plug, manual |
|-----------------|--|

Optional Accessories

See next page

Logistic Data

| | |
|-------------------|--------------------|
| Giftbox Language | EN |
| Manual Language | EN |
| Dimension/Giftbox | 535 x 535 x 215 mm |
| Weight/Giftbox | 11,4 kg |
| Pieces/Carton | 1 |
| Pieces/Palette | 16 |
| Item Number | 10120180 |
| EAN-Code | 4260074976588 |
| Warranty | 24 Month |

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

Available accessories



NMC Card (SNMP module)
 Datasheet: [Link](#)
 Item No.: 10120517



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



CMC Card (Modbus Card)
 Datasheet: [Link](#)
 Item No.: 10120564



AS/400 Card
 Datasheet: [Link](#)
 Item No.: 10120528



19" Rack-Mount-Kit
 Datasheet: [Link](#)
 Item No.: 10120529



3x Yuasa 12V/9Ah battery
 Datasheet: [Link](#)
 CSB or Panasonic brand can also be used

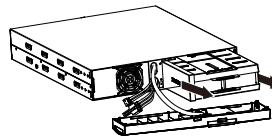


3x Yuasa 12V/7Ah battery
 Datasheet: [Link](#)
 CSB or Panasonic brand can also be used

RS-232 cable
 Item Nr.: 91010012



Battery Pack with inside 2x Battery Sets
 (Each battery set contain 3x 12V/7.2Ah batteries)
 Datasheet: [Link](#)
 Item No.: 10120535
 Possible to connect up to 9 Battery Packs



Battery Set with 3x 12V/7Ah batteries
 (Plug-and-Play solution incl. case and cabling to change internal bat. Set of VFI 1000RT LCD)
 Datasheet: [Link](#)
 Item No.: to be checked



USB cable
 Item Nr.: 91010011



ATS (Automatic Transfer Switch)
 Datasheet: [Link](#)
 Item No.: 10120543



19" MBS
 Maintenance Bypass Switch
 Datasheet: [Link](#)
 Item No.: 10120501



MBS (Maintenance Bypass Switch)
 Datasheet: [Link](#)
 Item No.: 10120500



Schuko Input -> IEC C13
Item Nr.: 91010017



UK Input -> IEC C13
Item Nr.: 91010029

Swiss Input -> IEC C13



IEC C13 -> IEC C14
Item Nr.: 91010013



Schuko Input -> IEC C19
Item Nr.: 91010018

UK Input -> IEC C19
Item Nr.: 91010030

Swiss Input -> IEC C19



IEC C19 -> IEC C20
Item Nr.: 91010028



IEC C13 -> IEC C20
Item Nr.: 91010041



IEC C14 -> IEC C19
Item Nr.: 91010040



IEC C14 -> Schuko
Converter
Item Nr.: 91015003



Schuko -> UK adaptor
Item Nr.: 91010031

Special project solution with configuration as shown

Product Details

| | |
|----------------------------|--|
| Dimensions | 608 x 438 x 87 mm |
| Dimensions of box | 790 x 590 x 240 mm |
| Weight | 35,7 kg |
| Weight with box | 38,7 kg |
| Quantity per pallet | 16 pcs. |
| Item-Nr. | 10120586 |
| Model Code | Battery Pack for VFI 1000RTS LCD (12 Batt) –4 sets of 3x9Ah Yuasa |



Battery Pack

with YUASA NPW45-12

Item No.: 10120586

Battery Pack contains 4 sets of 3 batteries each

Backup time with 4x3x9Ah is 60 minutes