

PowerWalker VFI 2000RT LCD

Online UPS



2000VA 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. 10120122

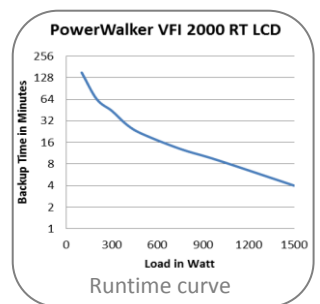
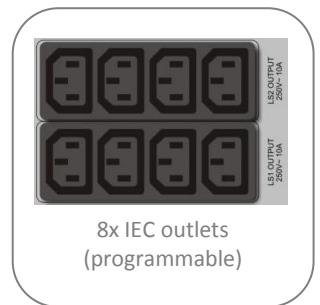


Product Features

With true double-conversion online UPS design, PowerWalker VFI 2000RT 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



Technical Details

Product Features

Capacity	2000VA/1800W
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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

Type	12V / 9Ah
Quantity	4x
Backup Time (full load)	>3 Minutes
Recharge Time	3h to 90%

Overload capability

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

Bypass

Before UPS	Default "No"
Power-on	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
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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	19.7 kg
Fan Control	Always on, automatic speed control
Noise Level	< 45dB at 1 Meter
Model Code	VFI 2000RT LCD

Environment

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

Package Content

Package Content	PowerWalker VFI 2000RT LCD, Input Power Cord, 2x IEC cable, USB and RS-232 cable, Software CD, Tower holder, Rack ears, EPO plug, Dry contacts plug, manual
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Logistic Data

Giftbox Language	EN
Manual Language	EN
Dimension/Giftbox	535 x 535 x 215mm
Weight/Giftbox	22.7 kg
Pieces/Carton	1
Pieces/Palette	16
Item Number	10120122
EAN-Code	4260074974416
Warranty	24 Month (except battery)

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

Version: EN 26/08/2014
We reserve the right for technical changes and mistakes

Optional 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

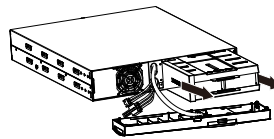


3x Yuasa 12V/7Ah battery
Datasheet: [Link](#)
CSB or Panasonic brand can also be used

RS-232 cable
Item Nr.: 91010012



Battery Pack with inside 2x Battery Sets
(Each battery set contain 4x 12V/7.2Ah batteries)
Datasheet: [Link](#)
Item No.: 10120536
Possible to connect up to 9 Battery Packs



Battery Set with 4x 12V/7Ah batteries
(Plug-and-Play solution incl. case and cabling to change internal bat. Set of VFI 1500RT 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