

PowerWalker VFI 10000TCP 3/1

Online UPS



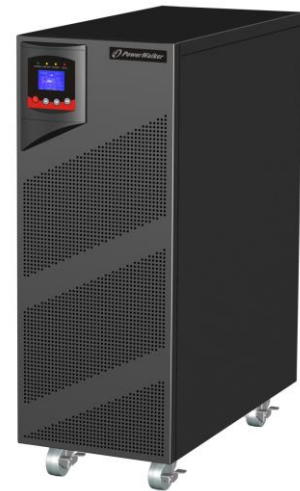
10000VA Online UPS with 0.9 Output Power Factor

3 phase in / 1 phase out
(also configurable as 1 phase in / 1 phase out)

Terminal Outlet + 2x IEC C13, EPO, 2x Intelligent Slot

USB & RS-232 Connection for monitoring

Optional: SNMP module, AS/400 card, Modbus card,
Battery Pack, External Charger, Parallel port



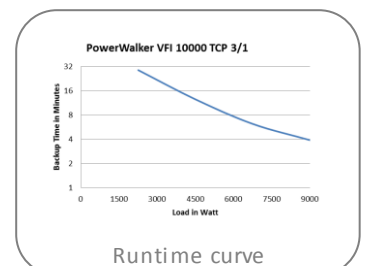
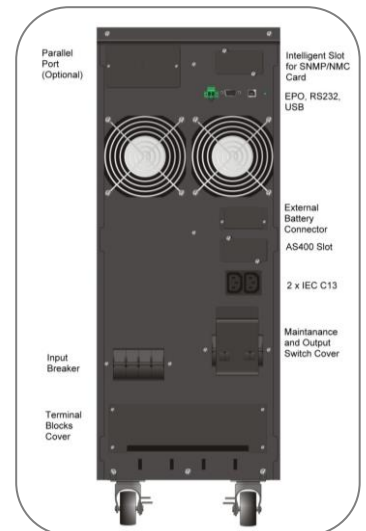
Item-No. 10120161



Product Features

With its true double-conversion online UPS design, PowerWalker VFI 10000TCP 3/1 provides powerful and overall protection to your sensitive devices. With its 3 phase in and 1 phase out it can balance the power consumption from all incoming lines and creates a stable power output for equipment with even high power consumption. Multiple communication ports allow to integrate the UPS in existing structures.

- True double-conversion with pure sine wave output
- Output power factor 0.9
- Monitoring software included
- Wide input voltage range (110-276 VAC 1Φ in / 190-478VAC 3Φ in)
- Input power factor correction
- Input THDi <5%, Output THDv <2%
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- N+X Parallel Redundancy for up to 4 UPS of same size with parallel kit
- Integrated maintenance bypass switch
- Optional: SNMP module, Dry Contact AS/400 card, Parallel Port, External Battery Pack, External Battery Charger, Modbus card



Technical Details

Product Features

Capacity	10000VA/9000W
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Input

Voltage	230V / 400V
Voltage Range single phase	110-276VAC single phase with ground (L-N-G)
Transfer Voltage Range	Based on Load percentage 100%/50%
Line low loss	176VAC/110VAC (±3%)
Line low comeback	186VAC/120VAC (±3%)
Line high loss	276VAC (±3%)
Line high comeback	266VAC (±3%)
Voltage Range three phase	190-478VAC three phase with ground (R-S-T-N-G)
Transfer Voltage Range	Based on Load percentage 100%/50%
Line low loss	305VAC/190VAC (±3%)
Line low comeback	322VAC/208VAC (±3%)
Line high loss	478VAC (±3%)
Line high comeback	461VAC (±3%)
THDi	<5% with full load
Frequency Range	45-55Hz/54-66Hz
Power Factor	≥ 0.99 at Full Load
Generator Set	1.8 x UPS Rating Power

Output

Voltage	208/220/230/240 ± 1%
Frequency (Synchronized Range)	45-55Hz/54-66Hz
Frequency (Battery Mode)	50/60Hz ± 0.05%
Current Crest Ratio	3:1
Harmonic Distortion	≤ 2% (Full Linear Load)
Waveform	Pure Sine Wave
Overload Capability	5 min at 100-110%
	1 min at 110-130%
	10 sec at 130-150%
	2 sec at >150%

Transfer Time

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

Battery

Type	12V / 9Ah
Quantity	20x
Backup Time (full load)	5 Minutes (0.7 power factor load)
Recharge Time	8h to 90%

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: 176-276V ± 3%

LCD Display

LCD Indicators	UPS status, Load level, Battery level, Input/Output voltage, AC mode, Battery mode, Bypass mode, Fault conditions
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Audio Indicators

4 Modes	See manual for details
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Connections

Communication	USB & RS232
Outlets	2x IEC C13, Terminal outlet
Intelligent Slot	Yes
AS-400 Slot	Yes
EPO	Yes
Parallel Port	Yes, up to 4 UPS (optional)
Maintenance Switch	Yes

Software & System Requirements

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

Product Details

Dimensions	550 x 260 x 708 mm
Colour	Black
Weight	85 kg
Fan Control	Always on, automatic speed control
Noise Level	< 55dB at front 1 Meter
Model Code	VFI 10000TCP 3/1

Environment

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

Package Content

Package Content	PowerWalker VFI 10000TCP 3/1, ma nual, USB cable, Software CD,
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Logistic Data

Giftbox Language	EN
Manual Language	EN
Dimension/Pallet	720 x 428 x 970 mm
Weight/Pallet	98 kg
Pieces/Carton	1
Pieces/Pallet	1
Item Number	10120161
EAN-Code	4260074975574
Warranty	24 Month (except battery)
IEC Norm	62040-2 Ca tegory C3, 62040-1-1,

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

Available accessories



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



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



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



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



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



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



12A Charger
For: VFI 10000 TCP 3/1
VFI 10000 T LCD
VFI 6000 T LCD



8A Charger
For: VFI 10000 TCP 3/1
VFI 10000 T LCD
VFI 6000 T LCD



Battery Pack with
2x Battery Sets inside
(Each battery set contain
20x 12V/9Ah batteries)
Data sheet: [Link](#)
Item No.: 10120561



Parallel Kit
For VFI 10000 TCP 3/1
Data sheet: [Link](#)
Item No.: 10120563



IECC14 -> Schuko
Converter
Item Nr.: 91015003



IECC13 -> IECC14
Item Nr.: 91010013

RS-232 cable
Item Nr.: 91010012



USB cable
Item Nr.: 91010011