

# PowerWalker VFI MP Series

- Online technology with Power Factor 0.9
- Supports up to 10 hot-swappable 15kVA UPS modules
- N+X parallel redundant configuration which leaves no Single Point of Failure
- 7" full colour touch screen
- Configurable battery quantity from 32 to 40 pieces per string
- Optimized performance with >93% efficiency

Modular on-line UPS allows selecting desired power rating in range of 15kVA to 150kVA (up to 10 modules of 15kVA). Modules are working in parallel without any need for extra cabling, synchronisation or setup. Additionally, modules are hot-swappable, which means you can insert another module even when UPS is fully energized and working.

There are three types of cabinets rated to 90kVA, 120kVA and 150kVA (different cabling, MBS rating etc), all of them are the same size and can fit 10 modules, so for example 90kVA cabinet with 10 modules will work in parallel 6+4 system. Six modules (6x15kVA=90kVA rated) are enough to support the load and additional four are serving as redundant backup. If any module fails, you can easily unplug it and replace without interruption for the operation. The cabinets can be bottom or top wired and they support dual input.



## TECHNICAL SPECIFICATION

SERIES	VFI MP
<b>INPUT</b>	
Voltage	304-520 VAC
Max THDi	<5%
Input PF	≥ 0.99 at full load
Frequency Range	40Hz - 70Hz
<b>OUTPUT</b>	
Voltage	353/380/400/415VAC
Pure Sine Wave	Yes
THDv	≤2% Full Linear Load; ≤4% Non-Linear Load
Voltage Regulation (Bat. Mod.)	±2%
Frequency (Battery Mode)	±0,05Hz
<b>TECHNICAL DETAILS</b>	
Load Crest Ratio	3:1
Transfer Time [AC to Battery]	0ms
Transfer Time [Inverter to Bypass]	4ms
Generator support	Yes
Overload Capacity	10min @ 110-130% 1s @ 130-150% 0.15s @ >150%
Batteries	Only external batteries connected with terminal String length adjustable 32/36/40 x12V
Charger	Maximum 3.5A per module (total up to 35A with adjustable to 0.1A)
<b>COMMUNICATION AND CONNECTIONS</b>	
Software	WinPower
USB	Yes
RS-232	Yes
Intelligent Slot	Yes
EPO	Yes

## ACCESSORIES



10120599 - Mini NMC Card



10120545 - EMD for NMC Card



10120592 - Mini Modbus Card 3



10120598 - Mini AS400 Card 5





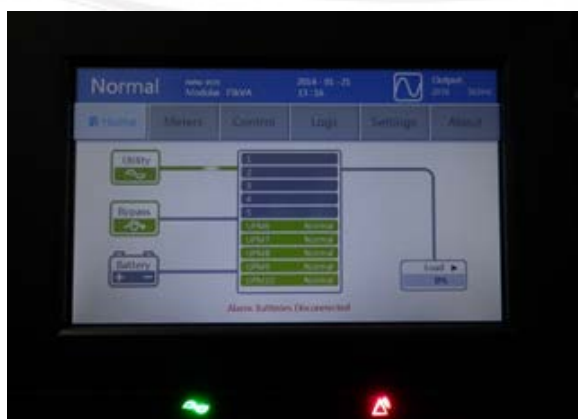
PowerWalker VFI MP 3/3 belongs to advanced models, featuring all benefits of modern UPSs like high power factor 0.9, zero transfer time, three additional intelligent slots for extension cards, pure sine wave output with <2% THD with linear load. External battery input is flexible allowing selecting from 32 to 40 batteries per set, which you can change with 7" full colour LCD panel.

This series is the best for redundant backup management, system with N+2 modules inserted increases availability of the UPS system over 99.99% and its MTBF (Mean Time Between Fails) over 10mln hours! Everything is possible without cables and any setup, just pull out failed module and insert replacement, or simply install more modules in free slots.



COMPONENTS

Item Number	Item Name	Description
10120181	VFI 15000 MP 3/3	15kVA Module
10120183	VFI 90000 MP 3/3 CB	90kVA rated cabinet, bottom wired
10120184	VFI 90000 MP 3/3 CT	90kVA rated cabinet, top wired
10120185	VFI 120000 MP 3/3 CB	120kVA rated cabinet, bottom wired
10120186	VFI 120000 MP 3/3 CT	120kVA rated cabinet, top wired
10120187	VFI 150000 MP 3/3 CB	150kVA rated cabinet, bottom wired



29/09/2016