

# VFI 10k-80k CPG PF1

3/3

# WIDE INPUT RANGE!

- **Unity Power Factor 1.0** (kVA = kW)
- **Parallel Operation**, up to 3 units
- **Very Low Total Harmonic Distortion** on output voltage
- Three-phase or single-phase Input
- Dual Input and Adjustable Charging Current
- **SNMP Manager** Included!



The PowerWalker VFI CPG 3/3 PF1 series is a professional commercial solution built in double conversion technology with power factor 1.0. Equipped with three-level inverter topology, it results in a high efficiency, reaching 95.5% in Line Mode and even 98.5% in ECO Mode. The series ensures low harmonic distortions and precise voltage regulation (1%). All phases have Active Power Factor Correction.

Thanks to its modern design, the VFI CPG series reaches a very high-power density (kVA output in relation to the size/volume of the unit). All models of this series offer generator support, dual input and allow parallel operation up to three units.

For this model, battery numbers can be adjusted (between 32 and 40pcs, except for the 10K unit), allowing more flexibility and compatibility with existing battery banks. The three-stage extendable charging design also enhances battery performance over its lifetime.

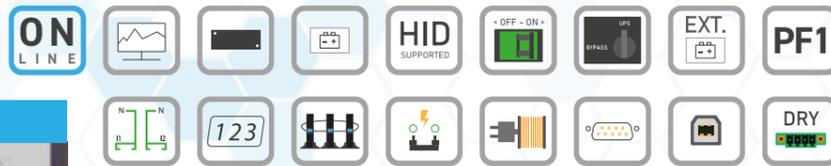
On demand we can modify unit to include isolation transformer or negative power absorber.

The UPS is available in 3 different variations:

BE: **Internal Batteries not included/ works with External Batteries**

BI: **Internal Batteries are included / works with External Batteries**

BX: **Only compatible with Ext. Batteries**



Each unit is equipped by default with SNMP Card to increase control over the unit and offer embedded monitoring over IP.

For the convenience of operation, a touch panel has been added to the unit.

General Features	BE/ BI				
Power Capacity	10000VA/10000W	15000VA/15000W	20000VA/20000W	30000VA/30000W	40000VA/40000W
Output Power Factor	1.0				
LINE Mode Full Load	95.5%				
Charger	1-12A				
Parallel Work (Units)	Up to 3 of the same size				
Input Specifications	Values				
Input Voltage Range	190-520 VAC (at 50%)   305-478VAC (at 100%)				
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz				
Input Type	Terminal				
Output Specifications	Values				
Nominal Output Voltage	3x 400V (3Ph+N)   Optional 208/220/230/240 VAC (Ph-N)		3x 400V (3 Ph+N)		
Voltage Regulation	+/- 1%				
Frequency (Battery Mode)	+/- 0.1Hz				
Outlets	Terminal				
Battery Specifications	Values				
Batteries	BE: Not Included/ Ext. Battery BI: 20 x 12V/ 9Ah	BE: Not Included/ Ext. Battery BI: 32 x 12V/ 9Ah		BE: Not Included/ Ext. Battery BI: 2x 32 x 12V/ 9Ah	
DC Voltage	20 x 12V		32 x 12V		
Recharge Time	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%	BE: Not Applicable BI: 9h to 90%
Full Load Backup Time	3 min	3 min	1.5 min	2.5 min	1.0 min
Half Load Backup Time	10 min	11 min	6.5 min	7.2 min	6.5 min
Transfer Time [AC to Battery]	0ms				
Transfer Time [Inverter to Bypass]	0ms				

General Features	BX	
Power Capacity	60000VA/ 60000W	80000VA/ 80000W
Output Power Factor	1.0	
LINE Mode Full Load	95.5%	
Charger	1-24A	
Parallel Work (Units)	Up to 3 of the same size	
Input Specifications	Values	
Input Voltage Range	190-520 VAC (at 50%)   305-478VAC (at 100%)	
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz	
Input Type	Terminal	
Output Specifications	Values	
Nominal Output Voltage	3x 400V (3Ph+N)	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	+/- 0.1Hz	
Outlets	Terminal	
Battery Specifications	Values	
Batteries	Ext. Battery	
DC Voltage	40 x 12V	
Recharge Time	-	
Full Load Backup Time	-	
Half Load Backup Time	-	
Transfer Time [AC to Battery]	0ms	
Transfer Time [AC to Battery]	0ms	