

VFI 10K-80K CPG 3/3 PF1

2019 PREMIERE

- Professional UPS solution for commercial applications
- Power Factor 1.0 (10kW = 10kVA)
- Dual Input
- Included SNMP Manager (each unit comes with the SNMP communication embedded)
- High-end touch panel
- Modifications available on demand (i.e. isolation transformer, negative energy absorber)
- Adjustable battery number and configurable charger current
- Parallel operation up to 3 units
- Built-in backfeed protection

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

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

For safety reasons this series has been equipped with backfeed protection (reverse feed) in order to avoid power transfer to the input terminal in case of mains failure. On demand we can modify unit to include isolation transformer or negative power absorber.





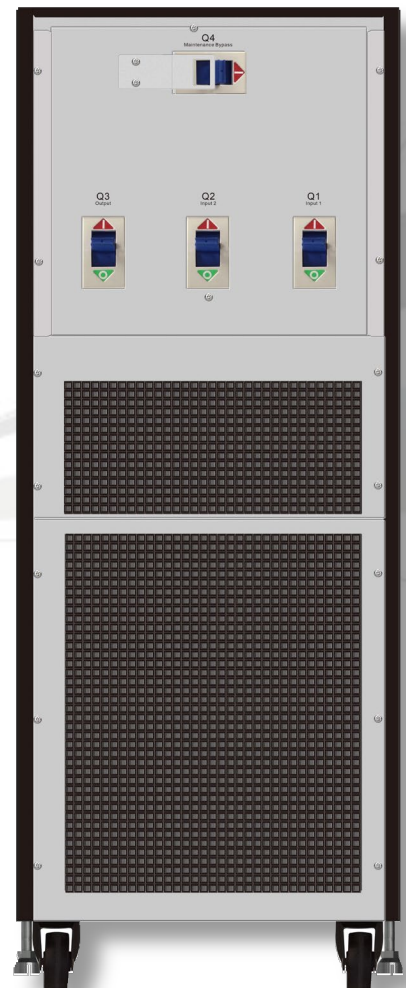
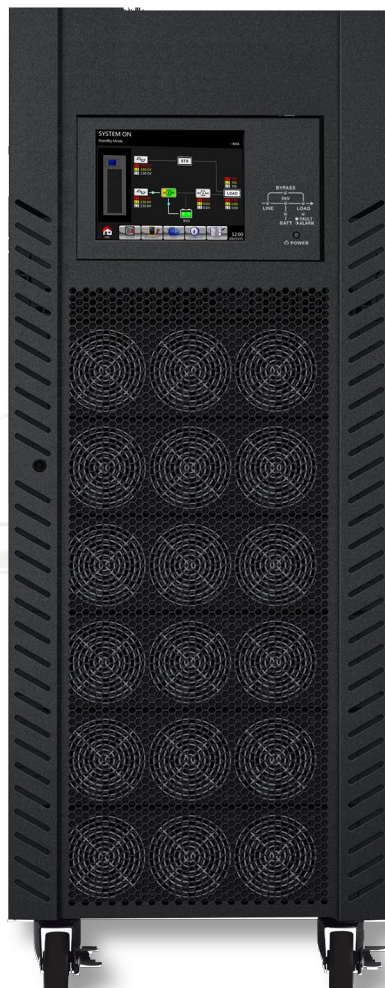
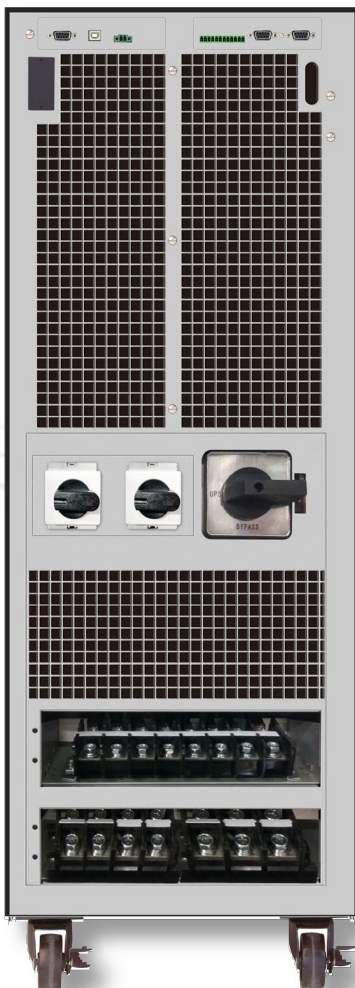
VFI 160-200K CPG

VFI 100-120K CPG

VFI 60-80K CPG

VFI 10-40K CPG

Battery Pack



TECHNICAL SPECIFICATION

MODEL	VFI CPG 3/3 PF1 Serie
INPUT	
Input Voltage Range	305-478 VAC (3-phase) @100% load & 190-520 VAC (3-phase) @50% load
Input PF	≥ 0.99 at full load
Max THDi	≤4% Full Linear Load; ≤6% Half Load
Frequency Range	46Hz - 54Hz or 56Hz - 64Hz
OUTPUT	
Nominal Output Voltage	3x 400V (3Ph+N); (208)/220/230/240VAC(Ph-N)
Voltage Regulation	±1%
THDv	≤2% Full Linear Load; ≤4% Non-Linear Load
Frequency (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz
Frequency (Battery Mode)	±0,1Hz
Load Crest Ratio	Max 3:1
Efficiency in Line Mode	94.0%
Efficiency in ECO Mode	98.0%
Efficiency in Battery Mode	93.5%
Overload Capacity	Line Mode: 10min @100%-110%; 1min @110%-130%; 1s @>130%; Battery mode: 30s @100%-110%; 10s @110%-130%; 1s @>130%
Communication	
Software	PowerWalker ViewPower
Ports	USB, RS-232, EPO
Connection	Terminal connection
Parallel Operation	Up to 3 units of the same size and type

Item	Model	Power	Batteries	Recharge Time	Charger	Width	Height	Depth	Weight
10122152	VFI 10K CPG PF1 3/3 BI	10kW	20x 12V/9Ah	9h to 90%	1-12A	250	827	627	139
10122153	VFI 15K CPG PF1 3/3 BI	15kW	32x 12V/9Ah	9h to 90%	1-12A	250	827	627	139
10122154	VFI 20K CPG PF1 3/3 BI	20kW	32x 12V/9Ah	9h to 90%	1-12A	250	827	627	139
10122155	VFI 30K CPG PF1 3/3 BI	30kW	2x32x 12V/7Ah	9h to 90%	1-12A	300	1000	815	152
10122156	VFI 40K CPG PF1 3/3 BI	40kW	2x32x 12V/9Ah	9h to 90%	1-12A	300	1000	815	152
10122157	VFI 10K CPG PF1 3/3 BX	10kW	Suitable for external batteries		1-12A	250	827	627	43
10122158	VFI 15K CPG PF1 3/3 BX	15kW	Suitable for external batteries		1-12A	250	827	627	43
10122159	VFI 20K CPG PF1 3/3 BX	20kW	Suitable for external batteries		1-12A	250	827	627	43
10122160	VFI 30K CPG PF1 3/3 BX	30kW	Suitable for external batteries		1-12A	300	1000	815	61
10122161	VFI 40K CPG PF1 3/3 BX	40kW	Suitable for external batteries		1-12A	300	1000	815	61
10122162	VFI 60K CPG PF1 3/3 BX	60kW	Suitable for external batteries		1-24A	300	1010	790	108
10122163	VFI 80K CPG PF1 3/3 BX	80kW	Suitable for external batteries		1-24A	300	1010	790	113

Name	Picture	Name	Picture	Name	Picture
SNMP Manager Network Management Item Number: 10120505 EAN: 4260074974034 INCLUDED!		EMD for SNMP Manager Environment Module Item Number: 10120544 EAN: 4260074974966		SNMP Box Network Management Item Number: 10131000 EAN: 4260074977424	
AS400 Card Dry Contacts Item Number: 10120515 EAN: 4260074974300		Modbus Card 2 Modbus Protocol Item Number: 10120565 EAN: 4260074975703			