

PowerWalker VFI 10K-80K CPG 3/3 Pf1 Series

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.



TECHNICAL SPECIFICATION

MODEL	VFI 30K CPG 3/3 BI	VFI 30K CPG 3/3 BX	VFI 40K CPG 3/3 BI	VFI 40K CPG 3/3 BX	VFI 60K CPG 3/3 BX	VFI 80K CPG 3/3 BX
Item Number	10122059	10122063	10122060	10122064	10122065	10122066
Power	30000VA / 27000W		40000VA / 36000W		60kVA / 54kW	80kVA / 72kW
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	≤6%					
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; ≤5% 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					
BATTERIES						
Batteries	2x32x7Ah/12V	External 32/34/36/38/40 pcs	2x32x9Ah/12V	External 32/34/36/38/40 pcs		
DC Voltage	384VDC	384-480VDC	384VDC	384-480VDC		
Charger	2A	4A	2A	4A	8A	

