

# PowerWalker VFI 30K-40K CPG Series

**2016 PREMIERE**

- Professional UPS solution for commercial applications
- Adjustable battery number up to 40pcs for high efficiency
- Parallel operation up to 3 units
- Built-in backfeed protection
- Optional Isolation Transformer for full isolation and complete noise rejection



The PowerWalker VFI CPG 3/3 series is a professional commercial solution built in double conversion technology with a high power factor of 0.9. Equipped with three-level inverter topology, it results in high efficiency reaching 95% in Line Mode and even 98% 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, communication ports for SNMP, USB and RS-232 and allow parallel operation up to three units.

For this model battery numbers can be adjusted (between 32 and 40pcs), 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.

## ACCESSORIES

Name	Picture	Name	Picture
<b>SNMP Manager</b> Network Management Item Number: 10120505 EAN: 4260074974034		<b>EMD for SNMP Manager</b> Environment Module Item Number: 10120544 EAN: 4260074974966	
<b>AS400 Card</b> Dry Contacts Item Number: 10120515 EAN: 4260074974300		<b>Modbus Card 2</b> Modbus Protocol Item Number: 10120565 EAN: 4260074975703	
<b>SNMP Box</b> Network Management Item Number: 10131000 EAN: 4260074977424		<b>Parallel Kit</b> Built to order	



## 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
Item Number	10122059	10122063	10122060	10122064
Power	30000VA / 27000W		40000VA / 36000W	
<b>INPUT</b>				
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			
<b>OUTPUT</b>				
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	95.0%			
Efficiency in ECO Mode	98.0%			
Efficiency in Battery Mode	92.0%			
Overload Capacity	Line Mode: 10min @100%-110%; 1min @110%-130%; 1s @>130%; Battery mode: 30s @100%-110%; 10s @110%-130%; 1s @>130%			
<b>Communication</b>				
Software	PowerWalker ViewPower			
Ports	USB, RS-232, EPO			
Connection	Terminal connection			
Parallel Operation	Up to 3 units of the same size and type			
<b>BATTERIES</b>				
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

