

PowerWalker VFI 30K-80K 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
SNMP Manager Network Management Item Number: 10120505 EAN: 4260074974034		EMD for SNMP Manager Environment Module Item Number: 10120544 EAN: 4260074974966	
AS400 Card Dry Contacts Item Number: 10120515 EAN: 4260074974300		Modbus Card 2 Modbus Protocol Item Number: 10120565 EAN: 4260074975703	
SNMP Box Network Management Item Number: 10131000 EAN: 4260074977424		Parallel Kit 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	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



All products specifications are subject to change without notice.

24/04/2017