

VFI 60k-300k CPF PF1 (3-3) BX

- Parallel operation with common battery
- Built in 4 switches including Mains input, bypass input, output and maintenance bypass switch
- Supports re-regenerative power absorber
- Flexible battery configuration and adjustable charging current
- Power walk-in function
- Pluggable power module design with front access to decrease MTTR
- Dual-mains inputs
- Optional output isolation transformer



Applicable Sector



Retailer



Data Center



Medical



Industrial



Infrastructure

Features



Hot-Swappable



Maintenance Bypass Switch



Dual Input



Parallel Connectivity



Emergency Power Off



Generator Compatible



Touch-Screen



LCD



Monitoring Software

7" touch LCD screen

- Dynamic password optimizes service performance
- Adjustable charging current via LCD panel

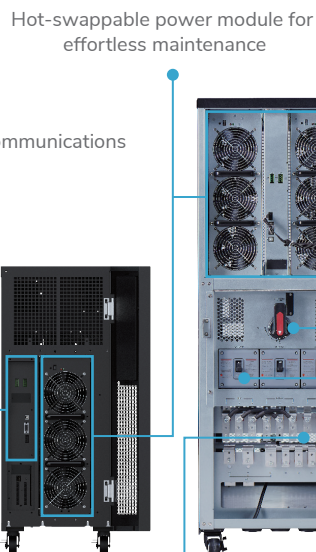


Front View



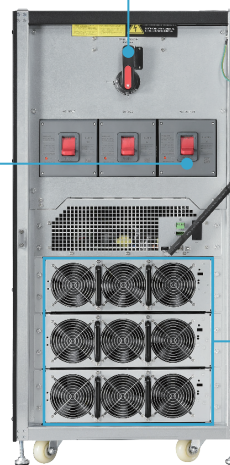
60K Front Door Open View

Front access design for terminal wiring



100K/120K Front Door Open View

Mains input switch/ bypass switch / output switch



180K/200K Front Door Open View

Maintenance bypass switch



300K Front Door Open View

Hot-swappable power module for effortless maintenance

PowerWalker VFI 60k-300k CPF (3-3)

Model								VFI 60k-300k CPF PF1 BX							
Power Capacity		60 kVA / 60 kW		100 kVA / 100 kW		120 kVA / 120 kW		180 kVA / 180 kW		200 kVA / 200 kW		240 kVA / 240 kW		300 kVA / 300 kW	
Input															
Rated Voltage		3 x 380/400/415 VAC (3Ph+N)													
Voltage Range		184-276 VAC at 100% load ; 110-300 VAC at 50% load													
Input Power Factor		≥ 0.99 at 100% load													
THD (i)		<5% at 100% load		<4% at 100% load											
Rated Frequency		50 / 60 Hz auto sensing													
Frequency Range		40 - 70 Hz													
Output															
Efficiency		95% in online mode; 98% in ECO mode; 94% in battery mode		95.5% in online mode; 98.5% in ECO mode; 94.5% in battery mode											
Output Voltage		3 x 380/400/415 VAC (3Ph+N)													
Output Frequency		50 / 60Hz													
Frequency Range (Synchronized range)		46Hz ~ 54Hz or 56Hz ~ 64Hz													
Overload Capacity		≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms													
THDV		≤ 2% for linear load ; ≤ 4% for non-linear load													
Bypass															
Internal Static Switch		Standard													
Bypass Voltage		3 x 380/400/415 VAC (3Ph+N)													
Maintenance Bypass Switch		Standard													
Overload Capability		≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms													
Battery															
Battery Type		External Battery													
Nominal Voltage		+/- 192V ~ +/- 240V (Selectable)		+/- 240V		+/- 192V ~ +/- 240V (Selectable)									
Maximum Voltage		-30% ~ +20%													
Minimum Voltage		+/- 192V (12V x 32 Pcs)		+/- 240V		+/- 192V (12V x 32 Pcs)									
Floating Charge Voltage		2.28V / Cell (2.25 ~2.33 Selectable)													
Boost Charging Voltage		2.35V/Cell													
Temperature Compensation		Yes													
Maximum Charging Current		18A		24A		36A		54A		54A		72A		90A	
Physical															
Dimension (D×W×H) [mm]		1000 x 320 x 800		1000 x 430 x 1200		1000 x 430 x 1200		1000 x 600 x 1200		1000 x 600 x 1200		1100 x 600 x 1475		1100 x 600 x 1475	
Net Weight (Kgs)		94		169		169		249		249		360		396	
Environment															
Operating Temperature		0-40°C													
Operating Humidity		< 95 % and non-condensing													
Altitude		<1000m for Nominal power													
Management															
Smart RS-232/USB		Supports Windows® Family, Linux and MAC													
Optional SNMP		Power management from SNMP manager and web browser													
Standards															
Safety		IEC/EN 62040-1													
EMC		IEC/EN 62040-2 Category C3													

