

# PowerWalker VFI 10000-20000T(C)P 3/1 Series

- High efficiency results in energy saving with output power factor 0.9
- Three-phase or single-phase input
- Wide input voltage range for all environments and support for generator
- N+X Parallel Redundancy for up to 4 UPS of the same size
- Intelligent fan control for reduced noise level



With its true double-conversion online UPS design, PowerWalker VFI TP and TCP series provide powerful and overall protection to your sensitive devices. It features 3 phase in and 1 phase out and it can balance the power consumption from all incoming lines and create a stable power output for equipment. Multiple communication ports allow integrating the UPS in existing structures.

Multiple accessories, including battery packs and communication cards, enhance the functionality of the UPS and allow a greater backup time. The system can be monitored locally via an LCD panel or remotely via the PowerWalker ViewPower software.

## TECHNICAL SPECIFICATION

MODEL	VFI 10000 TCP 3/1 BI	VFI 10000 TP 3/1 BI	VFI 10000 TP 3/1 BI (x48)	VFI 20000 TP 3/1 BI
Item Number	10120161	10120162	10120163	10120188
Power	10000VA / 9000W	10000VA / 9000W	10000VA / 9000W	20000VA / 18000W
<b>INPUT</b>				
Input Voltage Range	Voltage Range single phase Line low loss 176VAC/110VAC (±3%) Line low comeback 186VAC/120VAC (±3%) Line high loss 276VAC (±3%) Line high comeback 266VAC (±3%)		Voltage Range three phase Line low loss 305VAC/190VAC (±3%) Line low comeback 322VAC/208VAC (±3%) Line high loss 478VAC (±3%) Line high comeback 461VAC (±3%)	
	<b>*Transfer Voltage Range based on Load percentage 100%/50%</b>			
Input PF	≥ 0.99 at full load			
Max THDi	≤5%			
Frequency Range	45Hz - 55Hz or 54Hz - 66Hz			
<b>OUTPUT</b>				
Nominal Output Voltage	208/220/230/240 VAC			
Connection	Terminal + 2 x IEC C13	Terminal		
Parallel work	Up to 4 units of the same size			
Voltage Regulation	±1%			
THDv	≤2% Full Linear Load			
Frequency (Synchronized Range)	45Hz - 55Hz or 54Hz - 66Hz			
Frequency (Battery Mode)	±0,05Hz			
Overload Capacity	5min @100%-110%; 1min @110%-130%; 10s @130%-150%; 2s @>150%	3min @100%-110%; 30sec @110%-130%; 5s @130%-150%; 1s @>150%		5min @100%-110%; 1min @110%-130%; 10s @130%-150%; 2s @>150%
<b>BATTERIES</b>				
Batteries	20 x 9Ah/12V	24 x 9Ah/12V	2 x 24 x 9Ah/12V	2 x 24 x 9Ah/12V
Charger	1.4A	2A / 4A (default 2A)		4A
Recharge Time	8h to 90%	3h to 90%		
Full Load Backup Time	3.9min	5.4min		5.3min
Half Load Backup Time	12.5min	15.3min		15.6min
Battery Connection	Yes, for external battery pack	Yes, for external battery pack or external batteries connected with terminal		

BACK VIEW

MODEL	VFI TCP 3/1 BI	VFI TP 3/1 BI
<b>TECHNICAL DETAILS</b>		
Transfer Time [Inverter to Bypass]	0ms	
Transfer Time [AC to Battery]	0ms	
Load Crest Ratio	3:1	
Fan Logic	Always on, automatic speed control	
LINE mode full Load	93%	
BATTERY mode full Load	92%	
<b>COMMUNICATION</b>		
Communication	USB port, RS-232 port, EPO, Intelligent Slot	
Software	PowerWalker ViewPower	
<b>ENVIRONMENT</b>		
Noise Level	< 55dB	
Temperature	0°C – 40°C	0°C – 45°C
Humidity	0% - 95% RH (non-condensing)	



VFI 10000 TP



VFI 20000 TP

ACCESSORIES

Name	Picture	Name	Picture
<b>NMC Card</b> Network Management Item Number: 10120517 EAN: 4260074974461		<b>EMD for NMC Card</b> Environment Module Item Number: 10120545 EAN: 4260074974973	
<b>AS400 Card 3</b> Dry Contacts Item Number: 10120528 EAN: 4260074974577		<b>Modbus Card</b> Modbus Protocol Item Number: 10120564 EAN: 4260074975697	
<b>Charger ED240-8A</b> 240VDC, 8A Item Number: 10120571 EAN: 4260074975734		<b>Charger ED240-12A</b> 240VDC, 12A Item Number: 10120572 EAN: 4260074975741	
<b>Internal Charger 4A for VFI 10000TP 3/1</b> Charger for VFI 10000TP 3-1 Item Number: 10120573 EAN: 4260074975758		<b>Parallel Kit for VFI 10000TCP 3/1</b> for VFI 10000TCP 3/1 Item Number: 10120563 EAN: 4260074975642	
<b>BP P240T-40x9Ah</b> for VFI TCP 3/1 (40x9Ah, 240VDC) Item Number: 10120561 EAN: 4260074975628		<b>BP T288T-48x9Ah</b> for VFI TP 3/1 (48x9Ah, 288VDC) Item Number: 10120559 EAN: 4260074975604	

