



FPH900C / FPH900C

10-20KVA
3:1Phase

Application:

Server and other networking equipment



Control Panel



1. LCD
- 2.ON/OFF Button
- 3.Self-test/Silence Button
- 4.Scroll Button
- 5.Normal
- 6.Alarm
- 7.Abnormal

Features:

1. three phase in, one phase out
2. High frequency and double conversion on-line technology
3. Fully digitized microprocessor control
4. Wide input voltage range
5. LCD display
6. Cold start
7. Parallel capacity
8. Advanced battery management
9. Automatic battery charge in UPS off mode
10. Lightning and surge protection
11. Short circuit and overload protection
12. Fan speed auto control when load varies
13. Optional extension battery pack
14. EMI/RFI noise filter
15. Smart RS232 communication with monitoring software
16. Optional SNMP Card slot

Rear Panel



- 1.RS232
- 2.Fan
- 3.Input breaker
- 4.Terminal block
- 5.SNMP slot
- 6.Parallel port
- 7.Battery socket
- 8.Maintenance switch
- 9.Active wheel



1. Advanced battery management technology, comprehensive protection, local and remote monitoring.
2. Parallel operation, can parallel 3 UPS units.
3. Can carry out maintenance without cutting off the load.

Model	FPH3910C	FPH3915C	FPH3920C	
Capacity	10KVA/7KW	15KVA/10.5KW	20KVA/14KW	
Input	Voltage Range	304±5VAC-478±5VAC		
	Frequency Range	46-54Hz±0.5Hz or 56-64Hz±0.5Hz auto sensing		
	Phase	Three phase		
	Power Factor	≥0.95		
Output	Voltage Range	220Vac±1%		
	Phase	Single phase		
	Frequency Range	Synchronized with utility on AC mode; 50Hz/60Hz±0.2% on battery mode		
	THD (linear load)	< 2%		
	THD (non-linear load)	< 6%		
	Overload Capability	105%~130%, 10min turn to bypass mode; >130% 1s turn to bypass mode		
	Crest Factor	3:1(max)		
	Short Circuit Protection	5 cycles turn off inverter, not transfer to bypass, provide alarm (AC mode) 5 cycles turn off inverter, provide alarm (battery mode) input fuse blow or breaker action (bypass mode)		
	Waveform	pure sine wave		
	Transfer Time	0ms (Between AC Mode and Battery Mode) 0ms (Between AC Mode and Bypass Mode)		
Efficiency	≥88%			
Battery	Model	12V sealed lead acid maintenance free		
	DC Voltage	240VDC		
	Configuration	20×12V/7AH	External battery bank	
	Backup Time (half load)	13min	Depends on the external battery capacity	
	Backup Time (full load)	5min		
	Charge Current(standard unit)	1A	N/A	
	Charge Current(long time unit)	5A		
Recharge Time	90% capacity after 8 hrs charging			
Communication Interface				
Parallel port		Parallel availability for redundancy and load sharing up to three units		
LCD Indication	1.Input voltage/frequency, battery voltage, output voltage / frequency, load watt/VA value and percent, inverter temperature. 2.Operation mode such as "on line", "on batt", "or bypass"			
LED Indication	1. Green LED for normal operation, 2. Yellow LED for warning condition,3. Red LED for abnormal operation			
Noise Level	<55dB			
Environment	Temperature	0~40°C		
	Humidity	0%~95% (non-condensing)		
	Altitude	<1500m		
	Storage Temperature	-40°C ~ 50°C		
Other	Standard Unit Net Gross Weight	95/109kg	N/A	
	Long Time Unit Net/Gross Weight	39/51Kg	60/74Kg	
	Dimension (W×D×H)mm	260×570×717	320×620×950	
	Packing (W×D×H)mm	430×700×845	410×717×1050	