

# FP SERIES



Line Interactive UPS

400VA-2KVA

## Applications:



Built-in AVR



Generator compatible



Gaming consoles



Computer

## Simple Solution for Home and Office Users

FP Series is a "Lite" UPS to protect your power issue on personal computers. It provides comprehensive protection in a small and economic package. Not only offering greater comprehensive power protection against surges and spikes, it also provides pure voltage with built-in AVR stabilizer. The UPS will continue providing clean and stable power to connected equipment while its embedded microprocessor controller guarantees high reliability, perfect for any home or small office application.

## GENERAL FEATURES

- Compact size
- Excellent microprocessor control guarantees high reliability
- Boost and buck AVR for voltage stabilization
- Auto restart while AC is recovering
- Simulated sine wave
- Off-mode charging
- Cold start function
- Generator compatible(option)

## TECHNICAL SPECIFICATIONS

MODEL	FP 400	FP 600	FP 800	FP 1000	FP 1500	FP 2000
PHASE	1-phase in / 1-phase out					
CAPACITY	400 VA / 240 W	600 VA / 360 W	800 VA / 480 W	1000 VA / 600 W	1500 VA / 900 W	2000 VA / 1200 W
<b>INPUT</b>						
Voltage	110/120 V or 220/230/240 V					
Voltage Range	81-145 V / 140-290 V					
Frequency Range	60/50 Hz (auto sensing)					
<b>OUTPUT</b>						
AC Voltage Regulation(Batt. Mode)	±10%					
Frequency Range(Batt. Mode)	60 Hz or 50 Hz ±1 Hz					
Transfer Time	Typical 2 ~ 6 ms					
Waveform(Batt. Mode)	Simulated Sine Wave					
<b>BATTERY</b>						
Battery Type	12V / 4.5 Ah	12V / 7 Ah	12V / 9 Ah	12V / 7 Ah	12V / 9 Ah	12V / 9 Ah
Numbers	1	1	1	2	2	2
Typical Recharge Time	4 hours recover to 90% capacity			4-6 hours recover to 90% capacity		
<b>PROTECTION</b>						
Full Protection	Overload, discharge, and overcharge protection					
<b>INDICATORS</b>						
AC Mode	Green lighting			Green lighting		
Battery Mode	Green flashing			Yellow flashing		
Fault	N/A			Red lighting		
<b>ALARM</b>						
Battery Mode	Sounding every 10 seconds					
Low Battery	Sounding every second					
Overload	Sounding every 0.5 second					
Fault	Continuously sounding					
<b>PHYSICAL</b>						
Dimension, D x W x H(mm)	279 (D) x 101 (W) x 142 (H)			320 (D) x 130 (W) x 182 (H)		
Net Weight (kgs)	3.55	42	4.9	8.2	10.4	10.6
<b>ENVIRONMENT</b>						
Operation Humidity	0-90% RH @ 0-40°C (non-condensing)					
Noise Level	Less than 40 dBA @ 1 Meter					



## LINE-Interactive UPS BACK-UP TIME

MODEL	Battery				Back Time (minutes)		
	Batt. Output Voltage(V)	Type of Battery	Total Q'ty	25% Load	50% Load	75% Load	100% Load
FP 400	12 V	12V 4.5Ah	1	15min	8min	3min	40sec
FP 600	12 V	12V 7.0Ah	1	19min	6min	30sec	5sec
FP 800	12 V	12V 9.0Ah	1	20min	3min	8min	5sec
FP 1000	12 V	12V 7.0Ah	2	18min	5min	1min50sec	28sec
FP 1500	12 V	12V 9.0Ah	2	18min	6min30sec	3min30sec	1min20sec
FP 2000	12 V	12V 9.0Ah	2	15min	3min44sec	1min36sec	36min

NOTE : Data given are the average values, not the minimum values.