

# FP SERIEA



## Line Interactive (Pure Sine Wave)

### PF:0.8



#### Features

- Pure sine wave output
- DSP digital control
- Boost and buck AVR for voltage stabilization
- Auto sensing frequency
- Adjustable charging current and battery shutdown point
- Settable ECO mode and no-load shutdown
- Humanized alarm system
- Power-on self test
- Cold start
- Auto restart when mains power is restored
- Intelligent battery management
- Short circuit and overload protection
- Automatic charging in OFF mode
- USB & RJ45, AS400/SNMP (optional) communication port

#### Rear Panel

1. USB /RJ45
2. Output Outlets
3. EXT Battery (optional)
4. AC Breaker
5. Input
6. SNMP (optional)
7. Fan



#### Specifications

MODEL	FP 500	FP 1000	FP 1500	FP 2000	FP 3000	
Capacity	500 VA / 400 W	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W	
<b>DC INPUT</b>						
Rated voltage	12 V	24 V	48 V	48 V	48 V	
<b>AC INPUT</b>						
AC input range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 / 240 Vac ± 10 Vac					
AC input range (mains mode)	100 V: 70 ~ 130 Vac 110 V: 80 ~ 140 Vac 115 V: 85 ~ 145 Vac 120 V: 90 ~ 150 Vac 200 V: 145 ~ 260 Vac 220 V: 165 ~ 280 Vac 230 V: 175 ~ 290 Vac 240 V: 185 ~ 300Vac					
Frequency input range	50 / 60 Hz (auto-sensing), 50 / 60 Hz ± 5% ~ 15%					
Generator connection	Available (generator input power is settable)					
<b>OUTPUT</b>						
Inverter output range	100 / 110 / 115 / 120 / 200 / 220 / 230 / 240 Vac ± 5% (settable)					
AC output range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 / 240 Vac ± 10 Vac					
AC output range (mains mode)	100 V: 90 ~ 110 Vac 110 V: 99 ~ 121 Vac 115 V: 103 ~ 126 Vac 120 V: 108 ~ 132 Vac 200 V: 166 ~ 226 Vac 220 V: 108 ~ 245 Vac 230 V: 199 ~ 254 Vac 240 V: 210 ~ 264Vac					
Output frequency	50 / 60 Hz ± 0.3 Hz (settable)					
Waveform	Pure sine wave					
Inverter efficiency	Max. 75%	Max. 80%	Max. 80%	Max. 85 %	Max. 85 %	
Energy saving mode	Settable (< 3% load) , enter in 80 s					
No - load shutdown	Settable (< 3% load), shut down in 80 s					
Transfer time	≤ 10 ms					
THDV (resistive load)	≤ 5%					
Protections	Overload , short circuit (inverter), battery low voltage, battery overcharge, over temperature					
Over load (mains mode)	110 % for 120 s, 125% for 60 s, 150% for 10 s (transfer to bypass mode)					
Overload (inverter mode)	110 % far 60 s, 125 % far 10 s, 150% for 5 s (shut down directly)					
Mute	Automatic mute in 60 s or by manual					
<b>BATTERIES</b>						
Inbuilt battery (standard model)	1 PCS	2 PCS	2 PCS	4 PCS	4 PCS	
Charging current	Max. 10 A H	Max. 15 AH	Max. 15 AH	Max. 20 AH	Max. 25 AH	
<b>OTHERS</b>						
Communications	USB & RJ 45 (standard), dry contacts / SNMP (aptional)					
Operating temperature	5°C ~ 40°C					
Operating humidity	Relative humidity ≤ 93%					
Noise level	≤ 50 dB ( 1 m)					
Tower	Dimensions (W x D x H) (mm)	144 x 3 45 x 215 (S / H)		144 x 410 x 215 (S) 144 x 345 x 215 (H)	190 x 467 x 335.5 (S / H)	
	Packaged dimensions (W x D x H) (mm)	236 x 427 x 316 (S / H)		236 x 492 x 316 (S) 236 x 427 x 316 (H)	320 x 592 x 462 (S / H)	
	Net weight (kg)	7.0 (H)	12.2 (S) 11.6 ( H)	14.2 (S)	18.5 (S) 17.8 (H)	28.1 (S) 28.0 (H)
	Gross weight (kg)	8.0(H)	13.2 (S) 12.6 H)	15.2 (S)	19.8 (S) 18.8 (H)	30.2 (S) 30.0 (H)

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