



PF11 Series

PF1106L, HP1110L

for Home & Office PC

- High overload capability
- High efficiency up to 94%
- Built-in back-feed relay
- Built-in OVCD protection
- Large charger up to 8A for longrun model
- Output power factor 1
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers

MODEL		PF1106L16	PF1110L16
PHASE		1 phase in / 1 phase out	
CAPACITY		6000 VA / 6000 W	10000 VA / 10000 W
INPUT			
Nominal Voltage		208/220/230/240 VAC	
Voltage Range		110~300VAC ± 3 % at 60% load ; 176~300VAC ± 3 % at 100% load	
Frequency Range		46~54 Hz or 56~64 Hz ; 40 ~ 70 Hz (In generator mode)	
Power Factor		≥ 0.99 @ full load	
THDi		< 4% @100% R load	
OUTPUT			
Output Voltage		208*/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≤ 1 % THD (Linear Load) ; ≤ 4 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% 1min, >150% immediately switch to bypass	
	Battery Mode	100%~110%: 3min, 110%~130%: 30S, >130% : immediately	
EFFICIENCY			
AC Mode		95%	
Battery Mode		93%	
BATTERY			
Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah
	Numbers	16	16
	Typical Recharge Time	7 hours recover to 90% capacity	9 hours recover to 90% capacity
	Charging Current (max.)	1 A ± 10% (Default)	
Long-run Model	Charging Voltage	218.4 VDC ± 1%	218.4 VDC ± 1%
	Battery Type	Sealed, lead-acid battery	
	Numbers	16-20**	
	Charging Current (max.)	2A ± 10% (Default) 1A/2A/4A/6A/8A adjustable	
		(13.65VDC x battery number) ± 1%	
INDICATORS			
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
PHYSICAL			
Standard Model	Dimension, DxWxH (mm)	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	55	60
Long-run Model	Dimension, DxWxH (mm)	425 x 145 x 238	
	Net Weight (kgs)	14	15
ENVIRONMENT			
Operating Humidity		<95 % RH @ 0- 40°C (Non-condensing)	
Noise Level		Less than 55dB @1Meter	Less than 58dB @1Meter
MANAGEMENT			
Smart RS-232/USB		Supports Windows® Family, Linux and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

*Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

**When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9

***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m..

Product specifications are subject to change without further notice.

An ISO 9001:2015 Certified Company

