



PF series

PF3110L16

for Home & Office PC

- True double-conversion
- Flexible system configuration as 1-in/1-out
- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Dual AC inputs
- Emergency power off function (EPO)
- Generator compatible
- Adjustable battery numbers for long-run model
- Parallel operation up to 4 units with common battery



MODEL		PF3110L16
PHASE		1Ph in 1Ph out
CAPACITY		10KVA/10KW
PARALLEL CAPACITY		4
INPUT		
Nominal Voltage		3 x 380/400/415VAC (3Ph+N) or 220/230/240VAC (1Ph+N)
Voltage Range		190-520 VAC @ 50% load; 305-478 VAC @ 100% load
Frequency Range		46~54 Hz or 56~64Hz
Power Factor		≥ 0.99 @ 100% load
Harmonic Distortion (THDi)		< 4% at full linear load
OUTPUT		
Output Voltage		3 x 380/400/415VAC (3Ph+N) or 220/230/240VAC (1Ph+N)
AC Voltage Regulation (Batt. Mode)		± 1%
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz
Current Crest Ratio		3:1 (max.)
Harmonic Distortion		≤ 2 % THD (Linear Load) ; ≤ 5 % 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
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% 1min, >150% immediately
BYPASS		
Nominal Voltage		3 x 380/400/415VAC (3Ph+N) or 220/230/240VAC(1Ph+N)
Voltage Range		305 VAC ~ 457 VAC
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz
Overload Capability		> 130% : 1 minute (default), continuously working until breaker protection (optional)
EFFICIENCY		
AC Mode		95.5%
ECO Mode		98.5%
Battery Mode		94.5%
BATTERY		
Standard Model	Battery Type	12V / 9Ah
	Numbers(default)	(10+10) pcs
	Typical Recharge Time	9 hours recover to 90% capacity
	Charging Current (max.)	1A (default)
	Charging Voltage	+/-136.5 VDC
Long-run Model	Battery Type	Depending on the capacity of external batteries
	Numbers	±8-10
	Charging Current (max.)	1A~18A (Adjustable)
	Charging Voltage	+/-13.65V*N (N = 8~10)
INDICATORS		
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
PHYSICAL		
Standard Model	Dimension, D x W x H (mm)	630 x 250 x 826
	Net Weight (kgs)	80
Long-run Model	Dimension, D x W x H (mm)	630 x 250 x 826
	Net Weight (kgs)	25
ENVIRONMENT		
Operation Temperture		0-40°C
Operation Humidity		<95% and non-condensing
Altitude		0 ~ 1500m at full load
Noise Level		Less than 62dB @ 1 Meter
STANDARDS		
Safety		EN 62040-1:2008/A1:2013;IEC 62040-1:2008/A1:2013;CE low voltage directive
EMC		EN 62040-2: 2006(C3) CE EMC directive
MANAGEMENT		
Smart RS-232/USB		Supports Windows® family, Linux and MAC
Optional SNMP		Power management from SNMP manager and web browser

Product specifications are subject to change without further notice.

An ISO 9001:2015 Certified Company



UNINTERRUPTIBLE POWER SYSTEM

Italian technology Made in china