

# Uninterruptible power supply

Double conversion for mission-critical applications

PF1K / PF2K / PF3K  
120V Single Phase



## FEATURES

- Online double conversion with IGBT technology
- Full-color graphic touch LCD
- Input power factor correction (PFC)
- Wide input voltage range (55 ~ 150)VAC
- Frequency converter mode 50/60 Hz
- High Input/Output power factor 1.0
- Low input THDi to reduce power system pollution
- Adjustable charging current from 1~ 8 Amp
- Programmable outlets for critical & non-critical loads
- External battery bank port
- Monitoring and control through RS232/USB/SNMPv3
- ECO mode for energy saving
- Compliance with UL1778
- Humidity & temperature sensor capability
- Emergency power off function (EPO)

## 1, 2 & 3 kVA Tower Rear Panel

- 1 Programmable outlets for non-critical loads
- 2 Outlets for critical loads
- 3 Input power (L, N + G)
- 4 Network/Fax/Modem surge protection
- 5 USB communication port
- 6 RS232 communication port
- 7 Intelligent slot
- 8 Emergency power off (EPO)
- 9 External battery bank port



## Applications

To protect critical telecommunications equipment, computers, PLC, medical equipment, security systems, etc.

**TECHNICAL SPECIFICATIONS**

MODEL	PF1K	PF2K	PF3K
Capacity	1000 VA / 1000 W	2000 VA / 2000 W	3000 VA / 3000 W
Topology	Online double conversion		
<b>INPUT</b>			
Rated voltage	120VAC		
Voltage range	(55 ~ 150) VAC		
Frequency range	(40 ~ 70) Hz		
Power factor	≥ 0.99		
Total Harmonic Distortion (THDi)	< 5%		
Input connection	NEMA 5-15P	NEMA 5-20P	NEMA L5-30P
<b>OUTPUT</b>			
Rated voltage	110/115/120/127VAC (user-configurable)		
Power factor	1.0	0.96 ~ 1.0	
Voltage regulation	±1%		
Frequency	50Hz / 60Hz adjustable		
Crest ratio	3:1 (max.)		
Total Harmonic Distortion (THDv)	≤2% @ linear load		
Transfer time	Zero		
Output connection	6 x NEMA 5-15R	8 x NEMA 5-20R	8 x NEMA 5-20R + NEMA 5-30R
Waveform	Pure sinewave		
<b>EFFICIENCY</b>			
LINE Mode	≥89%	≥91%	
ECO Mode	≥96%		
<b>BATTERY</b>			
Battery type	Lead Acid Batteries (VRLA), maintenance free		
Inbuilt battery	2 x (12V/9Ah)	4 x (12V/9Ah)	6 x (12V/9Ah)
Typical recharge time	3 hours recover to 95% capacity		
Charging current	2Amp default; 1A/2A/4A/6A/8A (adjustable)		
DC Voltage	24VDC	48VDC	72VDC
Backup time	9 min (50% load)	9 min (50% load)	9 min (50% load)
<b>PHYSICAL</b>			
Dimension, W x D x H in (mm)	5.70 x 15.62 x 8.66 (145 x 397 x 220)	7.48 x 16.57 x 12.51 (190 x 421 x 318)	
Weight lb (kg)	25.79 (11.7)	44.75(20.3)	61.72(28)
<b>ENVIRONMENT</b>			
Humidity	20% - 95% (non condensing)		
Operating temperature °F (°C)	32°F - 104°F (0°C - 40°C)		
Noise level	≤50dB		
<b>MANAGEMENT</b>			
Communication type	RS232, USB (SNMPv3, AS400 & Modbus optional)		
Intelligent slot	Power management from SNMP manager and web browser		
<b>CERTIFICATION</b>			
EMC/Security	Comply with UL1778, Fcc (1K Class B, 2-3K Class A)		

\* Product specifications are subject to change without notice.

\* US-V2011-REV3.04

AUTHORIZED DEALER:



**COMPLIANCE  
WITH UL1778**