

Uninterruptible power supply

Double conversion for mission-critical applications

PF1KRT / PF2KRT / PF3KRT



FEATURES

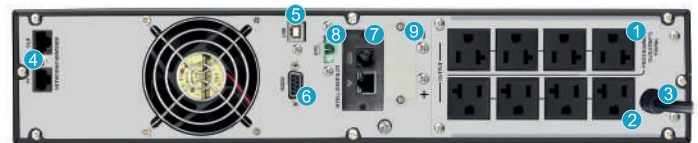
- › Online double conversion with IGBT technology
- › Full-color graphic touch LCD
- › Input power factor correction (PFC)
- › Wide input voltage range (55 ~ 150)VAC
- › Frequency converter mode 50/60 Hz
- › High Input/Output power factor 1.0
- › Low input THDi to reduce power system pollution
- › Adjustable charging current from 1~ 8 Amp
- › Programmable outlets for critical & non-critical loads
- › External battery bank port
- › Hot swappable battery design
- › 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 Rack/Tower Rear Panel

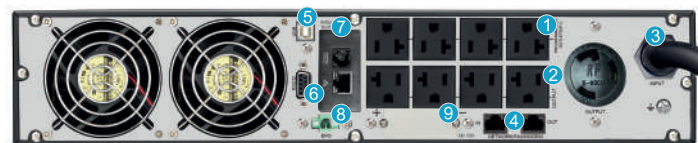
- 1 Programmable outlets for non-critical loads
- 2 Outlets for critical loads
- 3 Input power (L, N + G)
- 4 Network/Fax/Modem surge protection
- 5 USB communication port
- 6 RS232 communication port
- 7 Intelligent slot
- 8 Emergency power off (EPO)
- 9 External battery bank port



1KVA



2KVA



3KVA

Applications

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

TECHNICAL SPECIFICATIONS

MODEL	PF1KRT	PF2KRT	PF3KRT
Capacity	1000 VA / 1000 W	2000 VA / 2000 W	3000 VA / 3000 W
Topology	Online double conversion		
INPUT			
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
OUTPUT			
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	8 x NEMA 5-15R	8 x NEMA 5-20R	8 x NEMA 5-20R + NEMA L5-30R
Waveform	Pure sinewave		
EFFICIENCY			
LINE mode	≥89%	≥91%	
ECO Mode	≥96%		
BATTERY			
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	2 Amp default; 1A/2A/4A/6A/8A (adjustable)		
DC Voltage	24VDC	48VDC	72VDC
Backup time	9min (50% load)	9min (50% load)	9min (50% load)
PHYSICAL			
Dimension, W x D x H in (mm)	17.2 x 16.1 x 3.4 (438 x 410 x 88)	17.2 x 20.0 x 3.4 (438 x 510 x 88)	17.2 x 24.8 x 3.4 (438 x 630 x 88)
Rack units	2U		
Weight lb (kg)	25.5 (11.6)	42.9 (19.5)	60.6 (27.5)
ENVIRONMENT			
Humidity	20% - 95% (non-condensing)		
Operating temperature °F (°C)	32°F - 104°F (0°C - 40°C)		
Noise level	≤ 50dB		
MANAGEMENT			
Communication	RS232, USB (SNMPv3, AS400 & Modbus optional)		
Intelligent slot	Power management from SNMP manager and web browser		
CERTIFICATION			
EMC/Security	Comply with UL1778, Fcc (1K Class B, 2-3K Class A)		

* Product specifications are subject to change without notice.
 * US-V2011-REV3.03

AUTHORIZED DEALER:



**COMPLIANCE
WITH UL1778**