

# Uninterruptible Power Supply

Double conversion for mission-critical applications

PF6K / PF10K  
6kVA / 10kVA, 208VAC

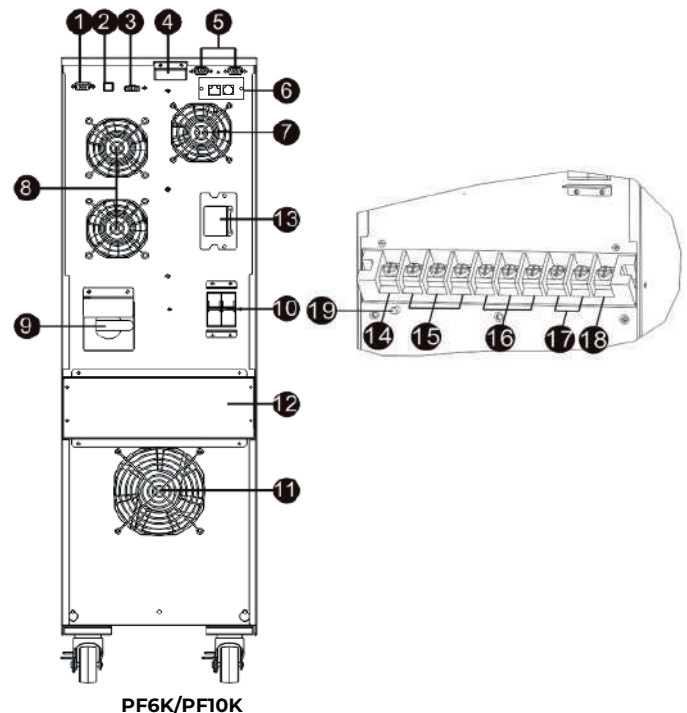


## FEATURES

- Online double conversion with IGBT technology
- Full-color graphic touch LCD
- Input power factor correction (PFC)
- Wide input voltage range (110 ~ 300)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~ 6 Amp
- UPS parallel function ready, N+X redundancy (up to 3 units)
- Output isolation transformer inbuilt
- Inbuilt maintenance bypass switch (MBS)
- Additional battery bank port
- VDC battery bus settable (16 - 20 batteries)
- Monitoring and control through RS232/USB/SNMPv3
- ECO mode for energy saving
- Compliance with UL1778
- Humidity & temperature sensor capability
- Emergency power off function (EPO)

## 6 & 10 kVA Rear Panel

- 1 RS232 communication port
- 2 USB communication port
- 3 Emergency power off connector (EPO)
- 4 Share current port
- 5 Parallel communication port
- 6 Intelligent slot
- 7 Charger cooling fan
- 8 Power board cooling fan
- 9 Maintenance bypass switch
- 10 AC input breaker
- 11 ISO TX cooling fan
- 12 AC input/output hardwire terminal
- 13 Additional battery bank port
- 14 Non-isolated neutral terminal
- 15 ISO TAP selections
- 16 Output hardwire terminals (L1, L2, N)
- 17 Input hardwire terminals (L1, L2)
- 18 Input grounding terminal
- 19 Output grounding terminal



## Applications

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

**TECHNICAL SPECIFICATIONS: 208V in / 208 and 120V out**

MODEL	PF6K	PF10K
Capacity	6000VA / 6000W	10000VA / 10000W
Topology	Online double conversion	
<b>INPUT</b>		
Rated voltage	208/220/230/240 VAC (L1, L2 +G)	
Voltage range	(110 ~ 300) VAC	
Frequency range	(56 ~ 64) Hz	
Power factor	≥ 0.99	
Total Harmonic Distortion (THDi)	≤ 4%	
Input connection	Hardwire terminals; 2W + G (L1, L2+G)	
<b>OUTPUT</b>		
Rated voltage	208/220/230/240 VAC 110/115/120 VAC @ L1-N, L2-N	
Voltage regulation	±1%	
Frequency	50Hz / 60Hz adjustable	
Crest ratio	3:1 (max.)	
Total Harmonic Distortion (THDv)	≤ 2% @ linear load	
Transfer time	Zero	
Waveform	Pure sinewave	
Overload capacity	100% ~ 110%: 10min ; 110% ~ 130%: 1min ; >130% : 1sec	
Output connection	Hardwire terminal 2W, N + G (L1, L2, N+G)	
<b>EFFICIENCY</b>		
LINE mode	89%	
ECO Mode	93%	
<b>BATTERY</b>		
Battery type	Lead Acid Batteries (VRLA), maintenance free	
Inbuilt battery	16 ~ 20 x (12V/7.2Ah) adjustable; 20pcs default	16 ~ 20 x (12V/9Ah) adjustable; 20pcs default
Typical recharge time	4 hours recover to 95% capacity	
Charging current	6.0 Amp	
Charger voltage	13.65VDC ±1% per battery quantity	
Backup time	13 min (50% load)	9 min (50% load)
<b>PHYSICAL</b>		
IP Protection	IP20	
Dimension, W x D x H in (mm)	9.84 x 23.30 x 32.51(250 x 592 x 826)	
Weight lb (kg)	255.73(116)	313.05(142)
<b>ENVIRONMENT</b>		
Humidity	20% - 95% (non-condensing)	
Operating temperature °F (°C)	32°F - 104°F (0°C - 40°C)	
Noise level	≤ 55dB	≤ 58dB
<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/safety	Comply with UL1778, Fcc	

\* Product specifications are subject to change without notice.

\* US-V2011-REV3.04

AUTHORIZED DEALER:



**COMPLIANCE  
WITH UL1778**