



a power just feels right .....

**P-FACTORONE**  
ON LINE UPS

# Uninterruptible power supply

Double conversion for mission-critical

PF6KRT / PF10KRT  
6kVA / 10kVA, 208VAC

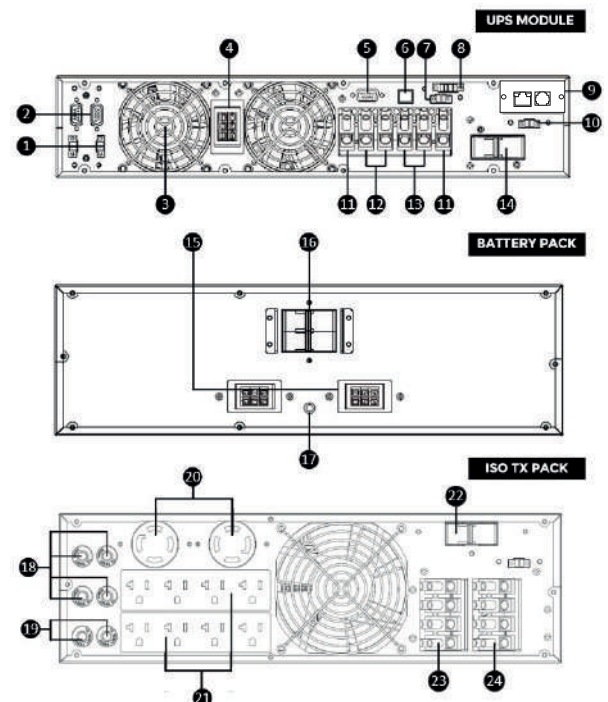


## FEATURES

- Online double conversion with IGBT technology
- Full-color graphic touch LCD (gravity sensor)
- 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 pack
- Hot-swappable battery pack design
- Ready for additional battery pack
- 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 Share current port
- 2 Parallel communication port
- 3 UPS cooling fan
- 4 UPS battery pack connector
- 5 RS232 communication port
- 6 USB communication port
- 7 Emergency power off (EPO)
- 8 Dry contact
- 9 Intelligent slot
- 10 External maintenance bypass switch port
- 11 UPS ground terminal
- 12 UPS Output terminal
- 13 UPS Input terminals
- 14 UPS input circuit breaker
- 15 External battery pack connector
- 16 Battery pack output circuit breaker
- 17 Battery pack ground
- 18 Resettable fuse 30A/240V
- 19 Resettable fuse 20A/120V
- 20 L14-30R output receptacles
- 21 5-20R output receptacles
- 22 ISO TX output breaker
- 23 ISO TX input (from UPS)
- 24 ISO TX output (to critical load)



## Applications

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

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

MODEL	PF6KRT	PF10KRT
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	(46 ~ 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	8 x NEMA 5-20R + 2 x L14-30R + 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	
Quantity x Capacity	16 ~ 20 x (12V/7.2Ah) adjustable; 20pcs default	16 ~ 20 x (12V/9Ah) adjustable; 20pcs default
Charging current	6.0 Amp	
Charger voltage	13.65VDC ±1% per battery quantity	
<b>MANAGEMENT</b>		
Communication type	RS232, USB (SNMPv3, AS400 & Modbus optional)	
Intelligent slot	Power management from SNMP manager and web browser	
<b>ENVIRONMENT</b>		
Operating temperature °F (°C)	32°F - 104°F (0°C - 40°C)	
Humidity	20% - 95% (non-condensing)	
Noise level	≤ 55dB	≤ 58dB
<b>PHYSICAL</b>		
Dimension, W x D x H in (mm); [Rack. U]	UPS module: 17.2 x 24.0 x 3.4 (438 x 610 x 88); [2U] Battery pack: 17.2 x 23.8 x 5.2 (438 x 607 x 133);[3U] ISO TX pack: 17.2 x 23.8 x 5.2 (438 x 607 x 133); [3U]	
Weight lb (kg)	UPS module: 37.4 (17) Battery pack: 121.2 (55) ISO TX pack: 136.6 (62)	UPS module: 44 (20) Battery pack: 138.8 (63) ISO TX pack: 202.8 (92)
<b>CERTIFICATION</b>		
EMC/safety	Comply with UL1778, Fcc	

\* Product specifications are subject to change without notice.

\* US-V2011-REV3.02

AUTHORIZED DEALER:



**COMPLIANCE  
WITH UL1778**

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