



**POWEREX**  
Reliable Energy Protection

# PX2200 SERIES



## FEATURES

- ▶ DSP (Digital signal processors) control
- ▶ Variety output voltage configuration, single phase 220V/240V or dual phase 110V/115V/120V
- ▶ Galvanic isolation transformer between in AC input and output in all operating mode
- ▶ Active input power factor correction, input power factor > 0.99
- ▶ Three level inverter technology, lower harmonic, higher efficiency
- ▶ Wide input voltage range 90V~300V and frequency range 40~70Hz
- ▶ Generator compatible
- ▶ Cold start function
- ▶ Economic operation mode (ECO)
- ▶ 50Hz / 60Hz Frequency auto sensing
- ▶ Frequency converter mode: 50Hz input / 60Hz output or 60Hz input / 50Hz output
- ▶ Communications: RS232(standard), USB
- ▶ MODBUS / RS485 / SNMP / AS400 card (optional)
- ▶ Reliable design, made with strong glass fiber base (FR4) double side PCB, well designed ventilation and conformal coating
- ▶ EPO and maintenance bypass switch included

## TECHNICAL SPECIFICATIONS

Model	PX2215K	PX2220K
Rated Capacity (VA/W)	15KVA/13.5KW	20KVA/18KW
Topology	Double conversion online UPS with dual phase galvanic isolation output transformer	
<b>Input</b>		
Wiring	Dual phase 3 wires (L1+L2+PE) or 1 phase 3 wires (L+N+PE)	
Rated Voltage	208/220/230/240VAC	
Rated Frequency	50Hz/60Hz	
Voltage Range	110~285VAC±5VAC	
Frequency Range	(40~70)±0.5Hz	
Input Power Factor	>0.99	
Bypass Voltage Range	180~265VAC	
<b>Battery &amp; Charger</b>		
Rated Battery Voltage	192VDC Internal	
Battery Capacity	12V/7AHx32pcs	12V/9AHx32pcs
Backup Time	7mins @ half load/3min @ full load	
Charging Current	4A	
<b>Output</b>		
Wiring	1 phase (L1+N+PE) or dual phase (L1+L2+N+PE)	
Output Voltage	High voltage 200/208/220/230/240VAC ; Low voltage 100/104/110/115/120VAC	
Output Frequency	50/60±4Hz(Sync mode) ; 50/60Hz±0.1%(Free run)	
Voltage Regulation	±3%	
Waveform	Pure sine wave	
Distortion(THDV%)	<2% (Linear load) ; <7% (Non-Linear load)	
Output Power Factor	0.9	
Overload Capability	10min@105%~125% ; 60s@125%~150% ; 0.5S@>150%	
Transfer Time	Line mode - Battery mode : 0ms	
<b>Communication</b>		
LCD Display	Input mains voltage, frequency, load level, operation mode, health status	
Standards Communication Interface	(1) RS232 port (2) EPO (3) USB port (4) Intelligent slot	
Optional Extension Card	(5) NetWork Card: Support SNMP/TCP/IP for remote monitoring the UPS via smart phone APP, web page, PC monitor software , support server / NAS shutdown (6) CMC MODBUS card (7) AS400 relay card	
<b>Operating Environment</b>		
Temperature Range	-10~50°C	
Relative Humidity	0-98% (Non-condensing)	
Acoustics Noise	<55dB @ 1 meters	
<b>Physical Parameters</b>		
Dimension (WxDxH)	400 x 820 x 840 (mm)	
Weight (KG)	167Kg	170Kg