

 UNINTERRUPTIBLE POWER SUPPLY



Single-phase Line Interactive UPS with pseudo-sine wave technology, the PCSX series is designed to protect IT loads, video surveillance systems, and home-office equipment. Available from **650VA to 2200VA** with **LED or LCD** interface, it ensures operational continuity for PCs, Wi-Fi routers, POS terminals, and multimedia peripherals.

**OPERATING MODE**

When utility power is present, the connected equipment is powered and protected by the electronic Automatic Voltage Regulator (AVR), which stabilizes fluctuations (spikes, sags, overvoltages), and EMI filters for noise reduction. In the event of a power failure, the UPS powers the load with a pseudo-sine wave using battery energy, managed by the advanced ABDM system to maximize service life. The auto-restart function ensures automatic recovery when utility power returns, while the free monitoring software provides programmed system shutdown and data protection.

**GENERAL CHARACTERISTICS**

- Microprocessor control: high reliability and operational precision.
- AVR stabilization: electronic voltage regulator for protection against surges and spikes.
- Advanced Battery Management (ABDM): intelligent system to maximize battery service life.
- Wide input tolerance: 160V - 290V range to reduce battery usage.
- Cold Start & Auto Restart: battery-powered start-up and automatic recovery when mains return.
- Plug-in charging: automatic battery charging even when the UPS is switched off.
- Data Protection: free monitoring software with event history and scheduled shutdown.

**USER INTERFACE**

The PCSX series features two types of interface depending on the model:

LCD Display (PCSX 1500LCD):

Backlit display with digital indication of operating mode, load levels, battery capacity, and Input/Output voltage measurements.

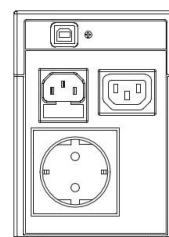
LED Panel (PCSX 650 - 1000 - 2200LED):

Three-stage panel for immediate diagnostics (Line/Battery, Charge status, Fault).

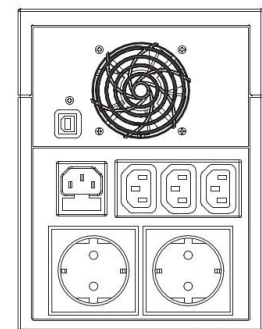
**REAR PANEL**

PCSX 650LED / 1000LED: 1x IEC-320-C13 (10A) + 1x Schuko. USB port and RJ11/RJ45 protection.

PCSX 1500LCD / 2200LED: 3x IEC-320-C13 (10A) + 2x Schuko. USB port, RJ11/RJ45 protection, and cooling fan.



PCSX 650LED  
PCSX 1000LED



PCSX 1500LCD  
PCSX 2200LED



## TECHNICAL SPECIFICATION | PCSX II SERIES

Model	PCSX 650LED	PCSX 1000LED	PCSX1500LCD	PCSX 2200LED
<b>POWER</b>				
Power Rating (VA)	650 VA	1000 VA	1500 VA	2200 VA
Active Power (W)	360 W	500 W	900 W	1200 W
<b>INPUT</b>				
Rated Voltage	230 Vac			
Voltage Range	160 – 290 Vac			
Frequency	45 - 65 Hz (Auto-sensing)			
<b>OUTPUT</b>				
Voltage (Battery Mode)	220/230/240 Vac +/- 10%			
Frequency (Battery Mode)	50/60 Hz +/- 1 Hz			
Transfer Time	2 - 6 ms (Typical)			
Waveform	Pseudo-Sine Wave			
<b>BATTERY</b>				
Type	Maintenance-free VRLA AGM			
Configuration	1x 12V 7Ah	1x 12V 9Ah	2x 12V 7Ah	2x 12V 9Ah
Recharge Time	4 - 6 hours to 90%			
<b>SYSTEM</b>				
User Interface	LED Panel	LED Panel	LCD Display	LED Panel
Communication	USB (Emily Software included)			
Protection	Overload, Short-circuit, Deep discharge (ABDM), Surge			
Cooling	Natural convection	Natural convection	Internal fan	Internal fan
<b>PHYSICAL</b>				
Dimensions (DxWxH) mm	292 x 100 x 140		315 x 148 x 198	
Net Weight (kg)	5.0 kg	5.5 kg	10.5 kg	11.8 kg
<b>ENVIRONMENT</b>				
Temp. / Humidity	0-40 degrees C / 0-90% (non-condensing)			
Noise Level at 1m	Less than 40 dB			
<b>REGULATIONS</b>				
Standards	EN 62040-1, EN 62040-2, EN 62040-3, CE, UKCA			

ELIT Srl reserves the right to make changes to its products without notice.