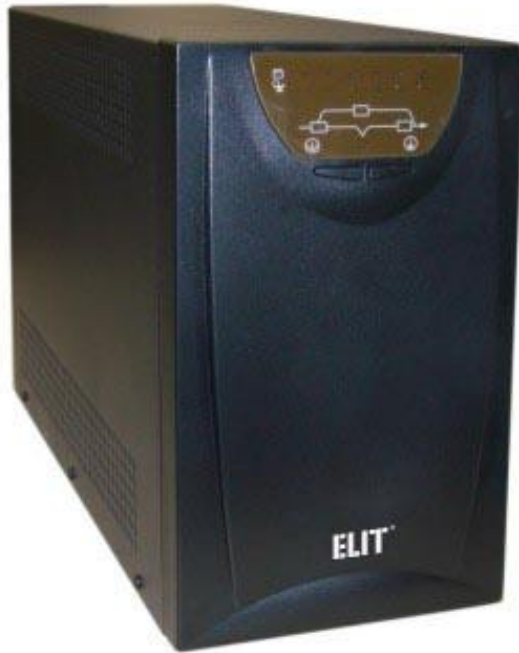




UNINTERRUPTIBLE POWER SUPPLY



The PCSX series, uses digital Line Interactive technology, includes the 650-800-1200-1500-2000-3000VA models.

PRINCIPLE OF WORKING

The load is fed from the mains through an AVR to stabilize brownout, sag and surge voltages, and EMI filters to suppress spikes and transients. When the mains fails, the load is supplied by the apparatus with a pseudo sinewave through the energy fed by the battery; the free software, to download from our web site, allows to active the programmable download of the informatics users fed. Finally if a fault or an overload occurs the load is switched to by-pass in order to leave the power supply to the users.

GENERAL CHARACTERISTICS

- Microprocessor-based digital control;
- Boost and buck AVR;
- Wide input voltage and frequency window;
- Automatically distinguishing output frequency .
- LCD display and audible alarm features.
- Automatically charging battery in UPS off mode.
- Self-diagnosis on startup.
- Cold start.
- Lightning and surge protections.
- Short circuit and overload protections.
- Compatible with generators.
- Cut off when no load connected.
- Intelligent battery management.
- Battery capacity and load capacity display.
- RS232.
- USB (Optional).

Model	PCSX650	PCSX800	PCSX1200	PCSX1500	PCSX2000	PCSX3000
Rated power VA/W	650/390	800/480	1200/720	1500/900	2000/1200	3000/1800

INPUT	
Nominal voltage	230V ± 25% single phase
Nominal frequency	50Hz or 60Hz ± 10%

OUTPUT	
Voltage AC mode	230V ± 10% single phase
Voltage Battery mode	230V ± 8% single phase
Frequency AC mode	50Hz or 60Hz ± 10%
Frequency Battery mode	50Hz or 60Hz ± 0.5%
Waveform	Square wave
Crest factor	3:1
Transfer time	2 ~ 7 ms, max 10ms
Overload	120% for 20 seconds, then switch to by-pass

BATTERY	
Type	Lead-Acid Maintenance free battery
Recharge time	6 ~ 8h at 90% < 10h at 90%
Battery voltage	12Vdc 24Vdc 36Vdc
Back up time	10 minutes

MISCELLANEOUS	
Efficiency	> 82% (battery mode)
LED display (LCD option)	Mains, battery Mains, by-pass, %battery, %load, operation status
Working temperature	0 ~ 40°C
Storage temperature	-25 ~ 55°C
Relative humidity	< 95% without condensing
Protections	Shortcircuit, overload, surges
Audible noise at 1mt	< 45dBA < 50dBA
Surge protection	RJ11/45
Input plug	1 x IEC 10A
Output socks	2 x IEC 10A 4 x IEC 10A
Communication	RS232 DB-9P
Accessories equipment	no.1 input cable 10A, no.1 output cable 10A
Dimensions	96x318x163mm 125x390x226mm 190x470x340mm
Weight	5.5kgs 6kgs 10kgs 11kgs 21.2kgs 36.9kgs

STANDARDS	
Safety	EN 62040-1
Performance	EN 62040-3
EMC	EN62040-2