Eaton 5E

The 5E line interactive uninterruptible power system (UPS) provides affordable power protection for your personal computers, home, office and other electronic devices. While packed with valuable features such as ANZ power receptacles and USB communications, the compact size is ideal for limited office and home working spaces.

Features

- Automatic Voltage Regulation (AVR) stabilises fluctuating power sources
- Microprocessor control design ensures high reliability
- Up to three ANZ receptacles, allowing easy equipment connection
- Eaton UPS Companion software monitors power conditions and gracefully shuts down computer applications prior to battery depletion
- User replaceable batteries allow easy maintenance
- Start-on-battery provides portable power capability

Technology: Series 5 (Line Interactive)
Rating: 650 / 850 / 1100 / 1500 / 2000VA
Voltage: 230V
Backup Time: Typical 5 min
Configuration: Tower

Ideal for protecting

- Computers and Peripherals
- POS Equipment

650-850VA   1100-2000VA

5E Series Technical Specifications					
Technology	Line Interactive (Automatic Voltage Regulation)				
Rating, VA/Watts	650VA / 360W	850VA / 480W	1100VA / 660W	1500VA / 900W	2000VA / 1200W
Model Numbers	5E650IUSB-AU	5E850IUSB-AU	5E1100IUSB-AU	5E1500IUSB-AU	5E2000IUSB-AU
Characteristics - input/output					
Input Voltage Window	170-280 Volts				
Output Voltage on Battery	230V				
Frequency	50/60Hz, auto detection				
Output receptacles	2 x ANZ 3 pin 10A sockets		3 x ANZ 3 pin 10A sockets		
Input Connection	Fixed 1.5M 10A ANZ 3 pin input cord included				
Battery run time (minutes)					
Typical backup times for 1 PC*	16	20	45	50	50
Typical backup times for 2 PC*	6	8	20	26	26
Typical backup times for 3 PC*	-	-	7	10	10
Typical backup times for 4 PC*	-	-	-	-	5
Start-On-Battery	Unit can be started without being connected to AC utility power, battery recharged is maintained even when UPS is off, whilst connected to mains.				
User Interface					
Visual	1 On / Off Green LED button, AC mode = Steady on, Battery mode = flashing				
Audible	Five audible alarms indicate operating modes; refer user manual				
Communications / management					
Power Management Software	Eaton UPS Companion power management software, downloadable via internet				
Connection Type	1 x USB port to front panel				
Approvals	CE Marking, C-Tick				
Dimensions and weights					
Dimensions (H x W x D)	148 x 100 x 288 mm		180 x 133 x 330 mm		
Weight	4.6 kg	5.1 kg	9.3 kg	10.5 kg	10.5 kg
Warranty	2 years				
Warranty+	Optional warranty uplifts				

*Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Eaton 5S

The Eaton 5S UPS provides effective power protection, even in disturbed electrical environments. Voltage fluctuations are automatically corrected using an AVR device (booster/fader), without needing the batteries.

The 5S not only provides a supply with battery backup to keep equipment operating during power cuts, but also provides effective protection against damaging surges.

The 5S protects networked equipment from 'back door' power surges coming through Ethernet, internet or telephone lines. The 5S's periodic automatic battery testing ensures early detection if a battery needs to be replaced. The easy-to-replace battery helps to extend the UPS service life.

The 5S can be installed vertically over or under a desk, or horizontally under a screen. Its compact, slimline form factor even allows it to be easily integrated into environments with space constraints. The 5S features an HID-compliant USB port, for automatic integration with common operating systems (Windows/ Mac OS/Linux). The 5S is also compatible with Eaton UPS Companion power management software. All models come bundled with a USB cable for PC connection.

Reduce wasted energy consumption from standby power drain of connected peripheral equipment with ECO Control function (850-1600VA models)

Technology:	Series 5 (Line Interactive)
Rating:	550-1600VA
Voltage:	240 Vac
Backup time:	Typical 4 min
Configuration:	Tower

Ideal for protecting
- Workstations
- Business Telephony
- Network devices
- Point-of-sale equipment

Eaton 5S Technical Specifications

Rating (VA/W)	550VA/330W	700VA/420W	850VA/510W	1200VA/750W	1600VA/1000W
Electrical Charecteristics					
Technology	Technology Line-Interactive (AVR with Booster + Fader)				
Input voltage range	175V-275V				
Output voltage	240 V				
Frequency	50-60 Hz autoselect				
Connections					
Number of AUS outlets	6				
Outlets with surge protection and battery backup / Outlets with surge protection only	3 / 3				
Batteries					
Typical backup times at 50 and 70% load*	10/6 min	9/5 min	9/5 min	9/5 min	9/5 min
Battery management	Automatic battery test, deep-discharge protection, cold-start capable, replaceable batteries				
Communication					
User Interface	LED		LCD		
Communication Port	HID-compliant USB port for automatic integration with most common operating systems (Windows Vista, 7 & 8, Linux, Mac OS X), cable supplied				
Data line protection	Tel/Fax/Modem/Internet and Ethernet				
Standards					
Safety & EMC	IEC/EN 62040-1, IEC/EN 62040 -2, CB Report, CE mark C-Tick				
Dimensions and Weight					
Dimensions H x W x D	250 x 87 x 260 mm			250 x 87 x 382 mm	
Weight	4.96kg	5.98kg	6.50kg	9.48kg	11.08kg
Customer Service and Support					
Warranty	2 years				

Part Numbers	550	700	850	1200	1600
5S	5S550AU	5S700AU	5S850AU	5S1200AU	5S1600AU

Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Eaton 5P

1. Communications card slot
2. Remotely switchable outlet groups
3. Remote On/Off, Remote Power Off terminal
4. USB Port
5. Serial Port
6. Primary outlet group

Technology:	Series 5 (Line Interactive)
Rating:	650-1550VA
Voltage:	230 Vac
Backup time:	5-10 minutes
Configuration:	Rack and Tower mount

Manageability

The graphical LCD display provides clear information on the UPSs status and measurements on a single screen (in seven languages). Enhanced configuration capabilities are also available with easy-to-use navigation keys.

Meters energy consumption and provides kWh values through the LCD and Intelligent Power® Software. Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. Load segment control can also be used to remotely reboot locked-up network equipment or to manage scheduled shutdowns and sequential start-ups.

The 5P offers Serial and USB connectivity, plus an extra slot for an optional communication card (including SNMP/Web card or relay contact card). Eaton's Intelligent Power ® Software Suite compatible with all major OS including virtualization software such as VMware and Hyper-V is included with each UPS.

Availability and Flexibility

5P is available as a tower or rack form factor to cater for varied deployment applications. Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%.

Batteries can be hot-swapped without ever having to shut down connected equipment. With an optional, hot-swap maintenance bypass module, you can even replace the entire UPS.

Performance and Efficiency

With an optimised electrical design, the 5P can provide up to 98% efficiency, contributing to lower cooling and utility costs. When operating in battery mode the 5P provides a high quality output signal for any sensitive equipment connected, such as active PFC (power factor corrected) servers.

Advanced protection for:

- Servers
- Switches
- Routers
- Storage devices

Eaton 5P

Eaton 5P Technical Specifications				
Rating (VA/W)	**650VA / 420W**	**850VA / 600W**	**1150VA / 770W**	**1550VA / 1100W**
Format	**Tower or 1U Rack**			
Electrical characteristics				
Technology	Line-Interactive High Frequency (Pure Sinewave, Booster + Fader)			
Input voltage and frequency without using batteries	160V-294V (adjustable to 150V-294V) 47 to 70 Hz (50 Hz system), 56.5 to 70 Hz (60 Hz system), 40 Hz in low-sensitivity mode			
Output voltage and frequency	230 V (+6/-10 %) (Adjustable to 200V / 208V / 220V / 230V / 240V), 50/60 Hz +/- 0.1 % (autosensing)			
Connections				
Input	Tower: Fixed line cord 10A AU 1.8mtr Rack: IEC C14 (10A) socket	Tower: Fixed line cord 10A AU 1.8mtr Rack: IEC C14 (10A) socket	Tower: Fixed line cord 10A AU 1.8mtr Rack: IEC C14 (10A) socket	Tower: Fixed line cord 10A AU 1.8mtr Rack: IEC C14 (10A) socket
Outputs	Tower: 2 x AU 10A, 3 x IEC Rack: 4 x IEC C13 (10A) C13 (10A)	Tower: 2 x AU 10A, 3 x IEC C13 (10A) Rack: 4 x IEC C13 (10A)	Tower: 2 x AU 10A, 3 x IEC C13 (10A) Rack: 6 x IEC C13 (10A)	Tower: 2 x AU 10A, 3 x IEC C13 (10A) Rack: 6 x IEC C13 (10A)
Remotely controlled sockets	Tower: 2 x 10A AU individually switched	Tower: 2 x 10A AU individually switched	Tower: 2 x 10A AU individually switched	Tower: 2 x 10A AU individually switched
	Rack: 2 x IEC C13 (10A) individually switched	Rack: 2 x IEC C13 (10A) individually switched	Rack: 2 x IEC C13 (10A) individually switched	Rack: 2 x IEC C13 (10A) individually switched
Batteries Typical backup times for 50 and 70% load*				
5P	9/5.5 mins	12/7.5 mins	12/7.5 mins	13/8.5 mins
Battery management	ABM & Temperature compensated charging method (user selectable), Automatic battery test, deep discharge protection, to automatic recognition of external battery units.			
Interfaces				
Communication ports	1 USB port + 1 RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously) + 1 mini terminal block for remote ON/OFF or Remote Power Off			
Communications card slots	1 slot for NETWORK-MS, MODBUS-MS or RELAY-MS cards			
Operating conditions, standards and approvals				
Operating temperature	Models 650, 850 & 1550 = 0°C to +35°C, Model 1550 = 0°C to +40°C			
Noise Level	< 40dBA			
Performance - Safety - EMC	IEC/EN 62040-1-1 (Safety), IEC/EN 62040-2 (EMC), IEC/EN 62040-3 (Performance), C-Tick			
Approvals	CE, CB Report(TUV), C-Tick			
Dimensions W x D x H / Weight				
UPS Dimensions (mm) & weight (kg)-Tower	150 x 345 x 230mm / 7.8kg	150 x 345 x 230mm / 10.4kg	150 x 345 x 230mm / 11.1kg	150 x 445 x 230mm / 15.6kg
UPS Dimensions (mm) & weight (kg)-Rack	438 x 364 x 43.2mm(1RU) / 8.6kg	438 x 509 x 43.2mm(1RU) / 13.8kg	438 x 509 x 43.2mm(1RU) / 14.6kg	438 x 554 x 43.2mm(1RU) / 19.4kg
Customer Service & Support				
Warranty	3 years			
Part Numbers				
5P Tower	5P650AU	5P850AU	5P1150AU	5P1550AU
5P Rack	5P650iR	5P850iR	5P1150iR	5P1550iR

* Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Eaton 5SX UPS

1. Graphical LCD display
2. Panel for batteries replacement (Hot swappable)
3. USB port + Serial port
4. 8 IEC 10A (+1 IEC 16A outlets for 3000VA models)
5. Communication card slot (Rack and R/T models only)
6. ROO/RPO terminal (Rack and R/T models only)

Manageability

- The LCD interface provides clear status of the UPS key parameters such as input and output voltage, load and battery level, and estimated runtime. Essential configuration capabilities are also offered for output voltage, audible alarm and sensitivity.
- The 5SX offers USB and serial connectivity. USB port is HID compliant for automatic integration into Windows, Mac OS and Linux.
- A slot for an optional communication card (including SNMP/ Web card or relay contact card) is available. Eaton's Intelligent Power® Software Suite insures compatibility with all major OS including virtualization software.

Flexibility

- R/T models authorizes either tower or rack installation -pedestals are included, rail kits are an optional extra.
- Easy battery replacement from front panel to extend UPS life.
- Up to 4 EBM's can be added for longer runtimes

Reliability

- Pure sinewave output: When operating in battery mode the 5SX provides a high quality output signal for any sensitive equipment connected.
- Buck and Boost operation corrects a wide range of input voltage variations through continuous regulation, without the use of batteries.
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging system that extends battery life by up to 50%.

Ideal for protecting

- NAS, Network equipment
- ATMs, Ticket machines, Kiosks

Eaton 5SX

Eaton 5SX Technical Specifications			
Technical Specifications	**5SX1250AU**	**5SX1750AU**	**5SX3000AU**
Rating (VA/W)	1250VA/1125W	1750VA/1575W	3000VA/2700W
Format	Tower selectable, Rack (5SXRACKKIT2U)		
Electrical Characteristics			
Technology/output	Line interactive, pure sine wave output		
Input voltage ranges without using batteries	160V - 290V		
Output voltage	240V		
Output Frequency	Auto sensing, 50Hz default		
Connections			
Input	IEC C14-AU 10A	IEC C14-AU 10A	IEC C20-AU 16A
Outputs	8*IEC C13 outlets	8*IEC C13 outlets	8*IEC C13 outlets + 1*IEC C19 outlets
Batteries**			
EBM	5SXEBM48R2U	5SXEBM48R2U	5SXEBM72R2U
1UPS	5min	3.7min	2.4min
1UPS+1EBM	23min	19.4min	16.8min
1UPS+2EBM	47min	35min	33.7min
Battery management	ABM		
Power management			
Communication Ports	1 USB port +1 RS232+ 1 communication slot		
Connectivity cards	NETWORK-MS, Relay card		
Software	IPSS		
Operating conditions, standards and approvals			
Operating temperature	0-40°C		
Noise level	<40db		
Regulations	EN62040-2, EN61000-4		
Dimensions D x H x W / Weight			
Dimensions (mm)	522*441.2*86.2(2U)		647*441.2*86.2(2U)
Weight (kg)	25.4	26.6	35.3
Customer Service & Support			
Warranty	2 years		

* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

** Based on 100% load

Premier efficient & manageable protection for high-end IT applications

Eaton 5PX

1. Graphical LCD display
2. Panel for batteries replacement (Hot swappable)
3. 1 USB port + 1 serial port + remote ON/OFF and remote power OFF inputs
4. External battery (EBM) connector
5. 8 IEC 10A + 1 IEC 16A sockets with energy metering (including 4 programmable sockets)
6. Mini Slot for connectivity cards

LCD display for ease of configuration and management

Versatile rack/tower

Technology: Series 5 (Line Interactive)
Rating: 1500-3000VA
Voltage: 230 Vac
Configuration: Rack-mount/ Tower convertible

The Eaton 5PX provides exceptional efficiency, manageability and metering capabilities for IT managers

Manageability

- The new graphical LCD display provides clear information on the UPS's status and measurements on a single screen (in seven languages). Enhanced configuration capabilities are also available with easy-to-use navigation keys
- For the first time in the industry the 5PX can meter energy consumption right down to the managed outlet groups. kWh values can be monitored using the LCD or Eaton's Intelligent Power® Software Suite
- Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. Load segment control can also be used to remotely reboot locked-up network equipment or to manage scheduled shutdowns and sequential start-ups
- The 5PX offers Serial and USB connectivity, plus an extra Mini Slot for an optional communication card (including SNMP/Web card or relay contact card). Eaton's Intelligent Power® Software Suite compatible with all major OS including virtualisation software such as VMware and Hyper-V is included with each UPS

Availability and Flexibility

- The 5PX comes in a rack/tower convertible cabinet - pedestal and rail kits are included with all models at no extra charge
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%
- Batteries can be hot-swapped without ever having to shut down connected equipment. With an optional, hot-swap maintenance bypass module, you can even replace the entire UPS
- There is also the possibility to add more runtime with up to four external hot-swappable battery modules, able to run systems for hours if necessary. The additional battery modules are automatically recognised by the UPS

Performance and Efficiency

- With an optimised electrical design, the 5PX can provide up to 99% efficiency, reducing cooling and utility costs
- With a power factor of 0.9, the 5PX delivers more real output power. It powers more servers than other UPSs with equivalent VA ratings and lower power factors. The 5PX is compatible with all modern IT equipment
- When operating in battery mode the 5PX provides a high quality output waveform for any sensitive equipment connected, such as active PFC (power factor corrected) servers

Ideal for protecting

- Servers
- Switches
- Routers
- Storage devices

Eaton 5PX

Eaton 5PX Technical Specifications	1500	2000	2200	3000
Rating (VA/W)	1500VA / 1350W	2000VA / 1800W	2200VA / 1980W	3000VA / 2700W
Format	RT2U (rack / tower 2U)	RT2U (rack / tower 2U)	RT2U (rack / tower 2U)	RT2U & RT3U
Electrical characteristics				
Technology	Line-Interactive High Frequency (Pure Sinewave, Booster + Fader)			
Input voltage and frequency ranges	160V-294V (adjustable to 150V-294V) 47 to 70 Hz (50 Hz system),			
without using batteries	56.5 to 70 Hz (60 Hz system), 40 Hz in low-sensitivity mode			
Output voltage and frequency	230 V (+6/-10 %) (Adjustable to 200V / 208V / 220V / 230V / 240V), 50/60 Hz +/- 0.1 % (autosensing)			
Connections				
Input	1 IEC C14 (10 A) socket	1 IEC C14 (10 A) socket	1 IEC C20 (16 A) socket	1 IEC C20 (16 A) socket
Outputs	8 IEC C13 (10 A)	8 IEC C13 (10 A) sockets	8 IEC C13 (10 A) sockets, 1 IEC C19 (16 A) socket	8 IEC C13 (10 A) sockets, 1 IEC C19 (16 A) socket
Remotely controlled sockets	2 groups of 2 x IEC C13 (10 A)			
Additional outputs with Hot Swap MBP	4 AUS 10A + 1 IEC 16A sockets or 6 IEC 10 A sockets or terminal blocks (HW version)			
Additional outputs with FlexPDU	6 AUS 10A + 1 IEC 16A sockets or 12 IEC 10 A sockets			
Batteries - Typical backup times for 50 and 70% load*				
5PX	19/11 mins	16/8 mins	15/8 mins	14/9 mins
5PX + 1 EBM	90/54 mins	66/39 mins	60/35 mins	66/38 mins
5PX + 4 EBM	285/180 mins	231/138 mins	210/125 mins	213/131 mins
Battery management	ABM® & Temperature compensated charging method (user selectable), Automatic battery test, deep discharge protection, automatic recognition of external battery units			
Interfaces				
Communication ports	1 USB port + 1 RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously) + 1 mini terminal block for remote ON/OFF and Remote Power Off			
Communications card slots	1 Mini Slot for Network Card-MS, Relay Card-MS and Network & Modbus Card-MS connectivity cards			
Operating conditions, standards and approvals				
Operating temperature	0 to 40°C			
Noise Level	< 45 dBA	< 45 dBA	< 45 dBA	< 50 dBA
Performance - Safety - EMC	IEC/EN 62040-1-1 (Safety), IEC/EN 62040-2 (EMC), IEC/EN 62040-3 (Performance), C-Tick			
Approvals	CE, CB report, TÜV			
Dimensions W x D x H / Weight				
UPS Dimensions (mm)	441 x 522 x 86.2 (2U)	441 x 522 x 86.2 (2U)	441 x 522 x 86.2 (2U)	441 x 647 x 86.2 (RT2U)
				441 x 497 x 130.7 (RT3U)
UPS Weight (kg)	27.6 kg	28.5 kg	28.5 kg	38.08 (RT2U), 37.33 (RT3U)
Dimensions of EBM	same as UPS			
Weight of the EBM	32.8 kg	32.8 kg	32.8 kg	46.4kg (RT2U), 44.4kg (RT3U)
Customer Service & Support				
Warranty	3 years			

* Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Part Numbers	1500	2000	2200	3000 (RT3U)	3000 (RT2U)
UPS	5PX1500iRT	5PX2000iRT	5PX2200iRT2UAU	5PX3000iRT3UAU	5PX3000iRT2UAU
EBM	5PXEBM48RT	5PXEBM48RT	5PXEBM48RT	5PXEBM72RT3U	5PXEBM72RT2U