Eaton 5PX Gen2 UPS

1000/1500/2200/3000 VA

Rack/Tower versatile

Intuitive LCD display for ease
of configuration and management

Advanced protection for:

- Servers
- Switches
- Routers
- Storage devices

Exceptional efficiency, manageability and energy metering capabilities for IT managers

Performance and efficiency

- Eaton 5PX Gen 2 provides Unity power factor (W=VA) capability. With 11% more power than other UPS it can protect more servers.
- Energy Star 2.0 certified, 5PX Gen2 offers best-in-class efficiency performance to reduce energy consumption and cooling costs.
- When operating in battery mode the 5PX provides a high-quality output signal for any sensitive equipment connected, such as active PFC (power factor corrected) servers.
- Each 5PX Gen2 battery configuration provides the best size/ runtime ratio.

Management and Cybersecurity

- Innovative graphical LCD display brings all operating information at first sight. It also enhances commissioning and configuration capabilities.
- 5PX Gen2 Netpack models are delivered with Eaton Gigabit network management card, which provides Dual cybersecurity certifications (UL 2900-1 & IEC 62443-4-2) and enables connection to Eaton Cyber Secured Monitoring solutions.
- Together with 5PX Gen2, Eaton Gigabit network management card allows both remote UPS settings and remote firmware upgrade to ensure easy deployment (fleet management) and reduced maintenance cost.
- 5PX Gen2 meters energy consumption right down to the managed outlet groups. kWh values can be monitored using the LCD or Eaton's Intelligent Power Software.
- Eaton's Intelligent Power Software seamlessly integrates with leading virtualization environments and cloud orchestration tools.

Availability and flexibility

- 5PX Gen2 2200VA & 3000VA are available in RT2U format (optimized for rack mounting) or RT3U (for tower installation or short-depth racks). Pedestals and rail kits are included with all models.
- 5PX Gen2 load segment control enables prioritized shutdowns of non-essential equipment to maximize battery runtime for critical devices (2 groups).
- Eaton ABM® battery management technology uses a three-stage charging technique that optimizes battery health and extends lifetime by up to 50%.
- Up to 4 external hot-swappable battery modules can be added for longer power availability.

Powering Business Worldwide

Eaton 5PX Gen2 UPS

1 Graphical LCD display :
- Clear information on UPS status and measurements
- Enhanced configuration capabilities
- Available in 7 languages

2 Panel for batteries replacement (Hot-swappable)

3 1 USB port + 1 serial port + remote ON/OFF and remote power OFF input + output relays

4 External battery (EBM) connector

5 8 IEC 10A + 2 IEC 16A sockets with energy metering (including 5 remote controlled sockets)

6 Communication card slot

Eaton 5PX Gen2 2200i RT3U

Technical specifications

	1000	1500	2200	3000
Rating (VA/W)	1000VA / 1000W	1500VA / 1500W	2200VA / 2200W	3000VA / 3000W
Format (RT: Tower / Rack)	RT2U	RT2U	RT2U & RT3U	RT2U & RT3U
Electrical characteristics				
Technology	Line-Interactive High Frequency (Pure Sinewave, Booster + Fader)			
Input voltage range without using batteries	160V-294V (adjustable to 150V-294V)			
Input frequency range without using batteries	47 to 70 Hz (50 Hz system), 56.5 to 70 Hz (60 Hz system), 40 Hz in low-sensitivity mode			
Output voltage	230 V (+6/-10 %) (Adjustable to 200V* / 208V / 220V / 230V / 240V), 50/60 Hz +/- 0.1 Hz (autosensing)			
Connections				
Input	IEC C14 (10A)	IEC C14 (10A)	IEC C20 (16A)	IEC C20 (16A)
Outputs	8 x IEC C13 (10A)	8 x IEC C13 (10A)	8 x IEC C13 (10A) 2 x IEC C19 (16A)	8 x IEC C13 (10A) 2 x IEC C19 (16A)
Remote controlled sockets	2 groups of 2 x IEC C13 (10A)	2 groups of 2 x IEC C13 (10A)	1 group of 2 x IEC C13 (10A) 1 group of 2 x IEC C13 (10A) + 1 x IEC C19 (16A)	
Additional outputs with HS MBP	4 FR / Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version)			
Additional outputs with FlexPDU	8 FR / Schuko sockets or 6 BS sockets or 12 IEC 10A sockets			
Batteries				
Typical backup times **	300W	500W	800W	1200W	1800W	2500W

	300W	500W	800W	1200W	1800W	2500W
5PX 1000	30	17	8			
5PX 1000 + 1 EBM / + 4EBM	148 / 591	83 / 332	48 / 192			
5PX 1500	44	24	13	7		
5PX 1500 + 1 EBM / + 4EBM	164/611	92 / 346	53 / 199	33 / 123		
5PX 2200	50	28	16	9	4	
5PX 2200 + 1 EBM / + 4EBM	242 / 958	138 / 551	80 / 319	49 / 197	30 / 121	
5PX 3000	68	39	23	13	7	4
5PX 3000 + 1 EBM / + 4EBM	255 / 950	146 / 546	86 / 323	54 / 201	33 / 124	22 / 84

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 serial RS232 port + 1 mini-terminal block for Remote ON/OFF + 1 mini-terminal block for Remote Power OFF + 1 mini-terminal block for output relay
Communication slot	1 slot for Network M2 (included in Netpack version), INDGW-M2 or Relay-MS cards
Operating conditions, standards and approvals	
Operating temperature	0 to 40°C
Noise level	<40 dB @ typical load
Safety	IEC/EN 62040-1, UL1778, CSA22.2
EMC, Performance	IEC/EN 62040-2, FCC Class B, CISPR22 class B
Approvals	CE / CB report (TUV) / cTUVus / EAC / UKCA / Ukr / Cm

Dimensions W x D x H / Weight	1000	1500	2200	3000
UPS Dimensions (mm)	438x448x85.5	438x448x85.5	438x603x85.5 (RT2U) 438x483x129 (RT3U)	438x603x85.5 (RT2U) 438x483x129 (RT3U)
UPS Weight (kg)	19.6	22.4	28.2 (RT2U) / 27.5 (RT3U)	31.7 (RT2U) / 31.1 (RT3U)
EBM dimensions (mm)	438x448x85.5	438x448x85.5	438x603x85.5 (RT2U) 438x483x129 (RT3U)	438x603x85.5 (RT2U) 438x483x129 (RT3U)
EBM weight (kg)	27.8	27.8	40.4 (RT2U) / 39.7 (RT3U)	40.4 (RT2U) / 39.7 (RT3U)
Customer service & support				
Warranty	3 years on electronics, 2 years on battery (3 years full warranty upon registration)			

* 5% derating @ 200V.
** Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Part numbers*	1000	1500	2200	3000
UPS RT2U	5PX1000IRT2UG2	5PX1500IRT2UG2	5PX2200IRT2UG2	5PX3000IRT2UG2
UPS RT2U with Network card**	5PX1000IRTNG2	5PX1500IRTNG2	5PX2200IRTNG2	5PX3000IRTNG2
UPS RT3U			5PX2200IRT3UG2	5PX3000IRT3UG2
EBM	5PXEBM48RT2UG2	5PXEBM48RT2UG2	5PXEBM72RT2UG2 (RT2U) / 5PXEBM72RT3UG2 (RT3U)	
2 m battery connection cable	EBMCBL48RT	EBMCBL48RT	EBMCBL72	EBMCBL72

* All 5PX UPS and EBM are delivered with rack kit.
** Network Management Card included as standard in Netpack versions.

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