Specifications



Eaton 9PX2200IRTBPB

Eaton 9PX UPS HotSwap BS, 2200 VA, 2200 W, Input: C20, Outputs: (3) BS, (1) C19, Rack/tower, 3U

General specifications

PRODUCT NAME	Eaton 9PX UPS
CATALOG NUMBER	9PX2200IRTBPB
MODEL CODE	Eaton 9PX 2200i RT3U HotSwap BS
UPC	743172081537
PRODUCT LENGTH/DEPTH	48.5 cm
PRODUCT HEIGHT	13 cm
PRODUCT WIDTH	44 cm
PRODUCT WEIGHT	29.9 kg
COMPLIANCES	TUV CSA 22.2 cULus Listed CE Marked CISPR22 Class B FCC part 15 Class B
CERTIFICATIONS	IEC/EN 62040-1 CE UL 1778 ENERGY STAR certified IEC/EN 62040-2 EAC

Powering Business Worldwide

Product specifications

SPECIAL FEATURES	• Double conversion topology • Constantly monitors power conditions and

Resources

APPLICATION NOTES	9PX5KP1 and 9PX6KP1 interconnect diagram Eaton network closet solutions brochure

	regulates voltage and frequency • First UPS in its class to provide Unity power factor (VA=W) • Energy Star qualified, provides the highest efficiency level to reduce energy and cooling costs • Internal bypass allows service continuity in case of UPS fault • Next-generation graphical LCD display • Compatible with Virtual environments (VMware, Hyper-V, Citrix Xen, Redhat) • Meter energy consumption (down to the managed outlet groups) • Hot swappable batteries • Advanced Battery Management (ABM) technology to increase battery lifetime • Long backup time with up to 4 optional EBM
TOPOLOGY	Online/Double-conversion
FORM FACTOR	Rack/tower
RACK SIZE	3U
CONSTRUCTION TYPE	482.6 mm (19 inch) device
COLOR	Black/silver
VA RATING	2200 VA
WATTAGE	2200 W
RACK MOUNTING KIT	Yes
PACKAGE CONTENTS	• UPS • Input cable • Maintenance Bypass • (2) IEC-IEC output cables • USB cable • Serial cable • (2) brackets for 19’ mounting • (2) Rack-mounting kit • (2) Supports for tower mounting • Cable locking system • Safety instructions • Quickstart guide
INTERNAL BYPASS	Yes
HOT SWAP POWER	Yes
AUTO SHUTDOWN FUNCTION	Yes
PRIMARY FREQUENCY - MAX	70 Hz

	Application guide: Small data center power protection solutions Eaton solutions for Cisco IDF/MDF closets
BROCHURES	Eaton UPS and battery services - EN Eaton UPS Services Quick Guide - EN Eaton 9PX 700-3000 VA UPS brochure
COMPLIANCE INFORMATION	EU declaration of conformity Eaton 9PX UPS
MANUALS AND USER GUIDES	Eaton 9PX 1-3 kVA UPS and 9PX EBM 48V and 72V - Installation and user manual 9PX UPS (5-6 kVA) user guide 9PX battery integration system user guide Eaton Bypass Power Module (BPM) user guide 9PX PPDM and transformers user guide 9PX supercharger 240 Vdc user guide 9PX 700-3000 VA 2U UPS user guide 9PX UPS split-phase (8-10 kVA) user guide 9PX UPS split-phase (6 kVA) guide 9PX UPS (8-11 kVA) user guide Eaton 9PX 1-3 kVA UPS - Quick Start Guide 9PX 3 kVA 3U UPS user guide 9PX 2-post rack kit user guide
SPECIFICATIONS AND DATASHEETS	9PX technical specifications: 8 and 11 kVA Eaton 9PX UPS guide specification: 700-3000 VA 9PX UPS altitude de-ratings 9PX technical specifications: 5 and 6 kVA Eaton Specification Sheet - 9PX2200IRTBPB 9PX Split-phase technical specifications

PRIMARY FREQUENCY - MIN	40 Hz
INPUT CONNECTION	C20
INPUT CORD LENGTH	1.8m
INPUT NOMINAL VOLTAGE	230V default (200/208/220/230/240V)
NOMINAL FREQUENCY	50/60 Hz
INPUT FREQUENCY RANGE	40-70 Hz
INPUT POWER FACTOR	>.99
RECEPTACLE	(3) BS, (1) C19
NUMBER OF OUTPUTS C19	1
OUTPUT WAVEFORM	Sine wave
VOLTAGE	230V
OUTPUT NOMINAL VOLTAGE	230V default (200/208/220/230/240V)
FEED TYPE	1
VOLTAGE TYPE	AC
RUNTIME GRAPH	View runtime graph
BATTERY MANAGEMENT	• ABM & Temperature compensated charging method (user selectable) • Automatic battery test • Deep discharge protection • Automatic recognition of external battery units
BATTERY REPLACEMENT	Hot-swappable internal batteries and extended battery modules (EBMs)
BATTERY RATING	12 V / 7 Ah
BATTERY TYPE	Sealed, lead-acid
EXTENDED BATTERY CAPABILITY	Yes
RUNTIME AT HALF LOAD	10 min
COMMUNICATION	• USB port (HID compliant) • Serial port (RS232) • Mini terminal block for remote On/Off • Mini-terminal block for remote power off • Mini-terminal block for output relay • Dry contacts (3 outputs, 1 input, optocoupler, DB9)
EXPANSION SLOTS	One slot for optional communication card
ETHERNET INTERFACE	No
INCLUDES NETWORK	No

	9PX 700-3000 VA UPS technical specification 9PX 3 kVA 3U UPS technical specification
TECHNICAL DATA SHEETS	Eaton 9PX 1000-3000W UPS - Datasheet

CARD	
SOFTWARE COMPATIBILITY	Eaton Intelligent Power Manager, Eaton Intelligent Power Protector
USER INTERFACE	Multilingual graphical LCD display
TYPE OF INTERFACE	Other
POTENTIAL FREE SWITCH CONTACT	Yes
ALTITUDE	3000 m
BTU RATING	Online: 488
NOISE LEVEL	<40 dB at 1 meter
RELATIVE HUMIDITY	0-96% non-condensing
TEMPERATURE RANGE	0° to 40°C (32° to 104°F)
INPUT VOLTAGE - MAX	276 V
INPUT VOLTAGE - MIN	100 V
OUTPUT VOLTAGE - MAX	240 V
OUTPUT VOLTAGE - MIN	200 V
SECONDARY FREQUENCY - MAX	60 Hz
SECONDARY FREQUENCY - MIN	50 Hz
BATTERY QUANTITY	6
EFFICIENCY	93.5
EFFICIENCY (ECO-MODE)	98
INPUT VOLTAGE RANGE	176-276 V (100-276 V with derating)
MAX NUMBER OF BATTERY PACKS	4
OUTPUT FREQUENCY	50/60 Hz
OUTPUT POWER FACTOR	1
OUTPUT VOLTAGE RANGE	200/208/220/230/240 V +/- 1%
PHASE (INPUT)	1
PHASE (OUTPUT)	1
RUNTIME AT FULL LOAD	3 min
VOLTAGE DISTORTION OUTPUT (LINEAR LOAD) - MAX	3
POWER CONSUMPTION	143 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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