Specifications

Eaton 9PX2000RT-L

Eaton 9PX lithium ion UPS, 2U, 2000 VA, 1800 W, 5-20P input, Outputs: (6) 5-20R, (1) L5-20R, 120V

General specifications	
PRODUCT NAME	Eaton 9PX UPS
CATALOG NUMBER	9PX2000RT-L
UPC	743172105370
PRODUCT LENGTH/DEPTH	23.82 in
PRODUCT HEIGHT	3.41 in
PRODUCT WIDTH	17.32 in
PRODUCT WEIGHT	50.71 lb
WARRANTY	5 year limited
COMPLIANCES	FCC part 15 Class B IEC 62040-2 Cat C1
CERTIFICATIONS	cULus Listed NOM ICC-ES AC156 OSHPD Seismic certified
GLOBAL CATALOG	9PX2000RT-L
PRODUCT TYPE	UPS

Powering Business Worldwide

Battery

BATTERY MANAGEMENT	Integrated battery management system (BMS) for temperature regulation and life cycle monitoring
BATTERY REPLACEMENT	Hot-swappable internal batteries and extended battery modules (EBMs)
BATTERY TYPE	Lithium-ion
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePo4)
EXTENDED BATTERY CAPABILITY	Add up to 4 extended battery modules (EBM). Part number 9PXEBM72RT-L

Electrical input

INPUT CONNECTION	5-20P
INPUT CORD LENGTH	8 ft
INPUT NOMINAL VOLTAGE	120V default (100/110/120/125V)
INPUT FREQUENCY RANGE	60 Hz: 50-70 Hz, 50 Hz: 40-60 Hz
INPUT POWER FACTOR	>0.99 typical

Electrical output

RECEPTACLE	(6) 5-20R, (1) L5-20R, 120V
TOPOLOGY	Online/Double-conversion
WATTAGE	1800 W
VA RATING	2000 VA
OUTPUT WAVEFORM	True sine wave
VOLTAGE	120V
OUTPUT POWER FACTOR	0.9
OUTPUT NOMINAL VOLTAGE	120V default (100/110/120/125V)
OUTPUT VOLTAGE RANGE	±1% steady-state
OUTPUT FREQUENCY	50/60 Hz

Communications

COMMUNICATION	RS-232 (RJ45) ports; USB port as standard (HID). 6-foot RS-232 and USB cables included
EXPANSION SLOTS	• (1) Mini-Slot (MS) expansion port. The following optional connectivity cards may be ordered separately. • Gigabit Network Card part number: NETWORK-M3 • Modbus card part number: INDGW-M2 • Relay card part number: RELAY-MS
SOFTWARE COMPATIBILITY	Intelligent Power Software Suite
USER INTERFACE	Graphical display, 5-button programmable menu

Environmental

ALTITUDE	0-1500m (0° to 40°C), 1500-3000m (0° to 35°C)
BTU RATING	Online: 578, Battery: 974
NOISE LEVEL	<47 dB at 1 meter
RELATIVE HUMIDITY	0-96% non-condensing
TEMPERATURE RANGE	0° to 40°C (32° to 104°F)

Additional specifications

RACK SIZE	2U
RACK MOUNTING KIT	Yes
EFFICIENCY AT MAX. LOAD	91 %
PACKAGE CONTENTS	• 2000VA 1800W 120V 9PX Online Double-Conversion UPS with 7 Outlets • USB cable • RS-232 cable • Rack-mounting hardware • Tower support stands • Safety guide • Quick Start Guide
INTERNAL BYPASS	Yes

Warranty and support

STANDARD FACTORY WARRANTY	• 5-YEAR FACTORY WARRANTY • - 5 years • - Parts, electronics and batteries coverage • - Standard ground shipping • - Technical support

Resources

BROCHURES	Eaton 9PX lithium-ion UPS brochure Eaton Lithium-ion battery benefits Lithium-ion battery application note Lithium-ion UPS total cost of ownership (TCO) calculator
COMPETITIVE COMPARISONS	9PX Lithium-ion UPS Competitive Comparison Battlecard
DRAWINGS	Eaton 9PX lithium-ion 2-3 kVA 2D drawing
MANUALS AND USER GUIDES	Eaton 9PX lithium-ion UPS (1-3 kVA) user guide
SPECIFICATIONS AND DATASHEETS	Eaton 9PX lithium-ion UPS technical specifications Eaton 9PX lithium-ion UPS guide specification: 1-3 kVA Eaton Specification Sheet - 9PX2000RT-L
WARRANTY GUIDES	Eaton 9PX lithium-ion UPS warranty

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.