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Return to Uninterruptible Power Supply (UPS)

Symmetra PX

APC Symmetra PX 150kW Scalable to 250kW with Right Mounted Maintenance Bypass and Distribution



> More Images

A high-performance, 3-phase, modular, scalable, power protection solution with industry-leading efficiency, capacity, and performance for medium to large data centers and mission critical environments.

**Includes:** Assembly service, Installation guide, Network Management Card, Start-Up Service, User Manual

**Standard Lead Time:** Usually Ships within 6 Weeks



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SY150K250DR-PD

Contact Sales



Email Technical Specifications



Printer Friendly



Technical Specifications

Product Overview

Documentation

Options

Ratings and Reviews

General

Bypass Voltage Tolerance +/-10% settable from +/-4/6/8 and 10%

Output

Output Power Capacity 150 kW / 150 kVA

Max Configurable Power 500 kW / 500 kVA

Nominal Output Voltage 400V 3PH, 480V 3PH

Output Voltage Distortion Less than 5% at full load

Output Frequency (sync to mains) 50 Hz, 60 Hz

Other Output Voltages 415

Crest Factor Unlimited

Topology Double Conversion Online

Waveform Type Sine wave

Output Connections (1) Hard Wire 4-wire (3PH + G)  
(1) Hard Wire 5-wire (3PH + N + G)

Output Voltage Tolerance +/-1% static and +/- 5% at 100% load step

Output Voltage THD < 2% linear load and <3% non-linear load

Overload Operation 10 minutes @ 125% and 60 seconds @ 150%

Bypass Built-in Maintenance Bypass, Built-in Static Bypass

Input

Nominal Input Voltage 400V 3PH, 480V 3PH

Input Frequency 40 - 70 Hz (auto sensing)

Input Connections Hard Wire 4-wire (3PH + G)  
Hard Wire 5-wire (3PH + N + G)

Input voltage range for main operations 340 - 460 (400V), 408 - 552 (480)V

Other Input Voltages 415

Maximum Short Circuit Withstand (Icw) 50.0 kA

Input Total Harmonic Distortion Less than 5% for full load

Type of Input Protection Required 3-pole breaker

Batteries & Runtime

Battery Type VRLA

Included Battery Modules 10

Available Battery Module Slots 36

Typical recharge time 3.50 hour(s)

RBC™ Quantity 6

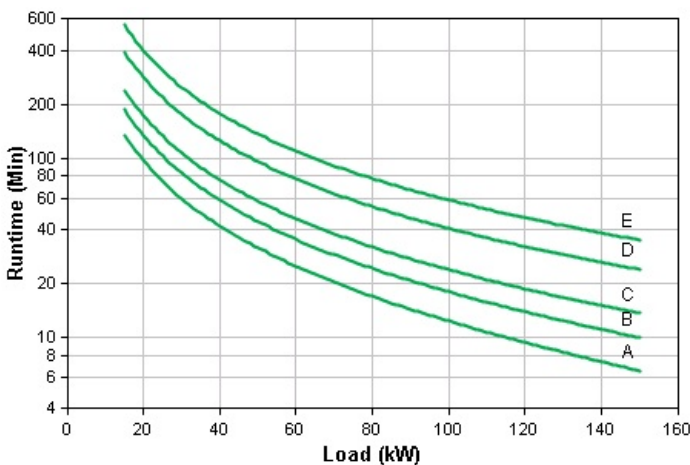
Efficiency in Battery Operation 97.00%

Overload Operation 10 minutes @ 125% and 60 seconds @ 150%

Extended Run Options [APC Symmetra PX 150kW Scalable to 250kW with Right Mounted Maintenance Bypass and Distribution](#)

Runtime Graph

Curve	Part Number(s)
A	SY150K250DR-PD
B	SY150K250DR-PD + (3)SYBT9-B6
C	SY150K250DR-PD + (6)SYBT9-B6
D	SY150K250DR-PD + (1)SYBFXR8-8
E	SY150K250DR-PD + (2)SYBFXR8-8



Hover over the line on the graph above to view the runtime at any desired load

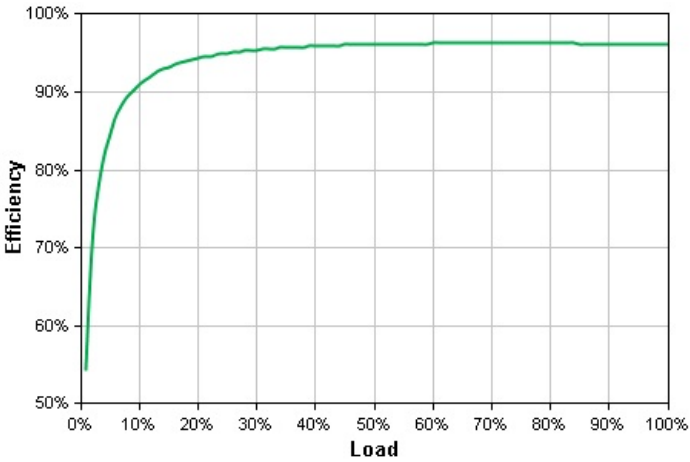
Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

Energy Use/Efficiency

Load	Efficiency
25%	95.0%
50%	96.1%
75%	96.3%
100%	96.2%



Hover over the line on the graph above to view the efficiency at any desired load

Curve fit of data measured in accordance with the ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies (UPSs) - Eligibility Criteria Version 1.0. All measurements taken in normal mode(s), at typical environmental conditions, with 480V/60Hz electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

Communications & Management

Interface Port(s)	SYPX250-500_Parallel
Available SmartSlot™ Interface Quantity	3
Control panel	Touch Screen LCD User Interface
Emergency Power Off (EPO)	Optional

Physical

Maximum Height	1991.00 mm
Maximum Width	3100.00 mm
Maximum Depth	1070.00 mm
Net Weight	3547.00 KG
Shipping Weight	3907.00 KG
Shipping Height	2150.00 mm
Shipping Width	4110.00 mm
Shipping Depth	1270.00 mm
Color	Black

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0-999.9 meters
Storage Temperature	-15 - 40 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	54.00 dBA
Online Thermal Dissipation	18568.00 BTU/hr
Protection Class	NEMA 1, IP 20

Conformance

Regulatory Approvals	cUL Listed, CE Mark, CSA C22.2 No. 107.3-05, EN/IEC 62040-1-1, EN/IEC 62040-2, EN/IEC 62040-3, ENERGY STAR (USA), Eurobat General Purpose, OSHPD, UL 1778, UL 60950-1
Standard Warranty	1 year on-site repair or replace with factory authorized Start-Up

Sustainable Offer Status

\*\*The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.