

# SY400K500DR-PD

## Symmetra PX 400kW Scalable to 500kW with Right Mounted Maintenance Bypass and Distribution



### Overview

Description	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.
Model Name	Symmetra PX 400kW Scalable to 500kW with Right Mounted Maintenance Bypass and Distribution
Includes	Assembly service
Product Distribution	Albania

### General

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

Output Power Capacity	400.0 KW / 400.0 kVA
Max Configurable Power (Watts)	500.0 KW / 500.0 kVA
Nominal Output Voltage	400 3PH
Output Voltage Distortion	Less than 2%
Output Frequency (sync to mains)	50 Hz
Other Output Voltages	415V
Other Output Voltages	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + G) (Battery Backup)
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

### Input

Nominal Input Voltage	400 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 4-wire (3PH + G)

Input voltage range for main operations	340 - 460 (400V) V
Other Input Voltages	415
Maximum Short Circuit Withstand (Icw)	50.0
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	26
Battery Slots Empty	36
Typical recharge time	3.5 hour(s)
RBC Quantity	6
Efficiency in Battery Operation	96.00 %
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%

### Communications & Management

Interface Port(s)	SYPX250-500_Parallel
Available SmartSlot™ Interface Quantity	1
Pre-Installed SmartSlot™ Cards	AP9635
Control panel	Touch Screen LCD User Interface
Emergency Power Off (EPO)	Optional

### Physical

Maximum Height	1991.0 mm
Maximum Width	5200.0 mm
Maximum Depth	1070.0 mm
Net Weight	7435.0 kg
Shipping Weight	8150.0 kg
Shipping Height	2150.0 mm
Shipping Width	7100.0 mm
Shipping Depth	1270.0 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	54.000 dB
Online Thermal Dissipation	49515.000 BTU/hr
Protection Class	IP 20

### Conformance

Approvals	CSA C22.2 No.107.3-05
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up