

# SY32K48H-PD

## Symmetra PX 32kW All-In-One, Scalable to 48kW, 400V



### Overview

Description	Scalable power, runtime & distribution in a high-density, single-frame design. This high-efficiency 3-phase UPS scales as your data center grows up to 48kW/48kVA. Suitable for small & medium data center applications.
Model Name	Symmetra PX 32kW All-In-One, Scalable to 48kW, 400V
Includes	Network Management Card , Start-Up Service
Standard Lead Time	Usually Ships within 2 Weeks
Product Distribution	Afghanistan , Albania , Algeria , Argentina , Armenia , Aruba , Australia , Austria , Azerbaijan , Bangladesh , Belarus , Belgium , Bolivia , Bosnia And Herzegovina , Brazil , Bulgaria , Cambodia , Cameroon , Central African Republic , Chad , Chile , China , Colombia , Congo , CONGO, THE DEMOCRATIC REPUBLIC OF THE , Croatia , Cyprus , Czech Republic , Denmark , Dominican Republic , East Timor , Egypt , Eritrea , Estonia , Ethiopia , Fiji , Finland , France , Gambia , Georgia , Germany , Greece , Guinea , Honduras , Hong Kong , Hungary , Iceland , India , Indonesia , Iraq , Ireland , Israel , Italy , Jamaica , Jordan , Kazakhstan , Kenya , KOREA, REPUBLIC OF , Latvia , Lebanon , Liechtenstein , Lithuania , Luxembourg , Macedonia , Malaysia , Mongolia , Morocco , Myanmar , Netherlands , New Zealand , Norway , Pakistan , Paraguay , Peru , Philippines , Poland , Portugal , Puerto Rico , Romania , Russian Federation , Saudi Arabia , Senegal , Singapore , Slovakia (Slovak Republic) , Slovenia , South Africa , Spain , Sri Lanka , Sudan , Suriname , Sweden , Switzerland , Thailand , Tunisia , Turkey , Uganda , Ukraine , United Arab Emirates , Uruguay , Venezuela , Viet Nam , Yemen , Zambia , Zimbabwe

### General

Bypass Connection	5 wire (3PH + N + G)
Bypass Voltage Tolerance	+/-10% settable from +/-4/6/8 and 10%
Max Bypass Input Current	80 A
Bypass Protection Device	180 A

### Output

Output Power Capacity	32.0 KW / 32.0 kVA
Max Configurable Power (Watts)	48.0 KW / 48.0 kVA
Nominal Output Voltage	230V , 400 3PH
Output Voltage Note	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Output Voltage Distortion	Less than 2%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
Other Output Voltages	380, 400, 415V
Other Output Voltages	Double Conversion Online

Waveform Type	Sine wave
Output Connections	(1) Hard Wire 5-wire (3PH + N + G) (Battery Backup)
Output Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
Output Voltage THD	< 2% for 0 to 100% linear load and < 6% for full non linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass	Built-in Static Bypass

## Input

Nominal Input Voltage	400 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	340 - 477 V
Maximum Input Current	65 A
Input Breaker Capacity	100 A
Maximum Short Circuit Withstand (Icw)	30.0
Input Total Harmonic Distortion	Less than 5% for full load
Type of Input Protection Required	GL fuse

## Batteries & Runtime

Battery Type	VRLA
Included Battery Modules	3
Battery Slots Empty	1
Typical recharge time	3 hour(s)
RBC Quantity	4
Nominal Battery Voltage	+/-192 V (split battery referenced to neutral)
End of Discharge Battery Voltage	+/-154 V
End of Discharge Battery Voltage	756 A
Maximum Available Short Circuit Current	2 kA
Efficiency in Battery Operation	94.00 %
End of Discharge Maximum Battery Current	110 A

## Communications & Management

Interface Port(s)	DB-9 RS-232 , SmartSlot
Available SmartSlot™ Interface Quantity	2
Control panel	Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm
Emergency Power Off (EPO)	Yes

## Physical

Maximum Height	1991.0 mm
Maximum Width	600.0 mm
Maximum Depth	1070.0 mm
Rack Height	42 U
Net Weight	666.4 kg
Shipping Weight	718.0 kg
Shipping Height	2150.0 mm
Shipping Width	848.0 mm
Shipping Depth	1210.0 mm

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Color	Black
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### Environmental

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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	61.000 dB
Online Thermal Dissipation	5146.000 BTU/hr
Protection Class	NEMA 1

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### Conformance

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Approvals	EN 50091-1 , EN/IEC 62040-1-1 , EN/IEC 62040-2 , EN/IEC 62040-3 , Eurobat General Purpose , ISO 14001 , ISO 9001 , VFI-SS-111
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up

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