

# Product datasheet

Specifications



## APC Symmetra PX 48kW All-In-One Frame, 400V

SYCF48KH

### Overview

<b>Presentation</b>	Modular, high-efficiency 3-phase UPS that is scalable as your data center grows up to 160kW/160kVA. Suitable for small, medium & large data center applications.
<b>Lead time</b>	Usually Ships within 8 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phases
<b>Other Input Voltage</b>	380 V 400 V 415 V
<b>Main Output Voltage</b>	400 V 3 phases
<b>Other Output Voltage</b>	380 V 400 V 415 V
<b>Rated power in W</b>	48000 W
<b>Rated power in VA</b>	48000 VA
<b>Output connector type</b>	Hard wire 5-wire (3P + N + E) 1
<b>Provided equipment</b>	Installation guide

### Batteries & Runtime

<b>Number of battery filled slots</b>	0
<b>Number of battery free slots</b>	0
<b>Additional information</b>	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
<b>Battery power in VAh</b>	0 VAh runtime
<b>Extended runtime</b>	0

### General

<b>Bypass wiring configuration</b>	5 wire (3P + N + E)
<b>Bypass voltage tolerance</b>	+/- 10 % settable from +/- 4/6/8 and 10 %
<b>Max bypass input current</b>	80 A
<b>Bypass current protection</b>	80 A
<b>Number of power module free slots</b>	10

---

Number of power module filled slots	0
-------------------------------------	---

---

Redundant	Yes
-----------	-----

---

## Physical

---

Height	199.1 cm
--------	----------

---

Width	60 cm
-------	-------

---

Depth	107 cm
-------	--------

---

Product weight	307 kg
----------------	--------

---

USB compatible	No
----------------	----

---

## Input

---

Network frequency	40...70 Hz
-------------------	------------

---

Number of input connectors	1 hard wire 5-wire (3P + N + E)
----------------------------	---------------------------------

---

Input voltage limits	340...477 V
----------------------	-------------

---

Switching current capacity	100 A
----------------------------	-------

---

Max short time withstand current	30 kA
----------------------------------	-------

---

Input harmonic distortion	Less than 5 % for full load
---------------------------	-----------------------------

---

Input protection type	GL fuse
-----------------------	---------

---

Input Power Factor at Full Load	0.99
---------------------------------	------

---

## Output

---

Maximum configurable power in W	48000 W
---------------------------------	---------

---

Harmonic distortion	Less than 2 %
---------------------	---------------

---

Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains
------------------	--

---

Crest factor	Unlimited
--------------	-----------

---

UPS type	Double conversion online
----------	--------------------------

---

Wave type	Sine wave
-----------	-----------

---

Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
--------------------------	--

---

Output overload operation	10 minutes at 125% and 60 seconds at 150%
---------------------------	---

---

Required output current protection	100 A
------------------------------------	-------

---

Bypass type	Built-in static bypass
-------------	------------------------

---

Efficiency	95 % (full load) 95 % (half load)
------------	--------------------------------------

---

Maximum configurable power in VA	48000 VA
----------------------------------	----------

---

## Conformance

---

Standards	EN 50091-1 EN/IEC 62040-3 EN/IEC 62040-1-1 FCC part 15 class A VFI-SS-111
-----------	---

---

## Environmental

---

Ambient air temperature for operation	0...40 °C
---------------------------------------	-----------

---

Relative humidity	0...95 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.00...4572.00 m
NEMA degree of protection	NEMA 1

## Communications & Management

Free slots	2
Control panel	Multifunction LCD status and control console
Emergency power off	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	214 cm
Package 1 Width	121 cm
Package 1 Length	84.8 cm
Package 1 Weight	331 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Lead free	Yes
Take-back	Take-back program available

## Contractual warranty

Warranty	1 year repair or replace
----------	--------------------------

## Recommended replacement(s)