Product data sheet

Specifications



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

SYCF48KH

Overview

Presentation	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.
Lead time	Usually Ships within 8 Weeks

Main

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

General

Bypass wiring configuration	5 wire (3P + N + E)
Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Max bypass input current	80 A
Bypass current protection	80 A
Number of power module free slots	10
Number of power module filled slots	0
Redundant	Yes

Physical

Height	199.1 cm
Width	60 cm
Depth	107 cm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net 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

Batteries & Runtime

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

Communications & Management

Free slots	2
Control panel	Multifunction LCD status and control console
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency power off	Yes

Packing Units

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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Lead free	Yes
Take-back	Take-back program available

Contractual warranty

Warranty	1 year repair or replace