



Overview

Description	A high-efficiency 3-phase UPS with integrated modular distribution that can be right-sized to your data center power requirements. With scalable power, distribution and run-time, this UPS grows with your data center up to 160kW/160kVA. Suitable for small to medium data centers or individual zones of large data centers.
Model Name	Symmetra PX 96kW Scalable to 160kW, 400V with Integrated Modular Distribution for Japan
Includes	Network Management Card , Start-Up Service , User Manual
Standard Lead Time	Usually Ships within 3 Weeks
Product Distribution	Japan

General

Bypass Connection	5 wire (3PH + N + G)
Max Bypass Input Current	250 A
Bypass Protection Device	250 A

Output

Output Power Capacity	96.0 KW / 96.0 kVA
Max Configurable Power (Watts)	160.0 KW / 160.0 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
Output Frequency (sync to mains)	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%
Required Output Current Protection	250 A
Neutral Output Current	240 A
Bypass	Built-in Static Bypass

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

Input

Nominal Input Voltage	400 3PH
Input Frequency	40 - 70 Hz
Input Connections	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	340 - 477 V
Maximum Input Current	197 A
Input Breaker Capacity	315 A
Maximum Short Circuit Withstand (Icw)	30.0
Input Total Harmonic Distortion	Less than 5% for full load

Batteries & Runtime

Battery Type	VRLA
Included Battery Modules	9
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	320 A
Maximum Available Short Circuit Current	6 kA
Efficiency in Battery Operation	94.00 %
End of Discharge Maximum Battery Current	332 A
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%

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 : configurable delays
Emergency Power Off (EPO)	Yes

Physical

Maximum Height	1991.0 mm
Maximum Width	1200.0 mm
Maximum Depth	1070.0 mm
Rack Height	42 U
Net Weight	1814.0 kg
Shipping Weight	1963.0 kg
Shipping Height	2140.0 mm
Shipping Width	1696.0 mm
Shipping Depth	1210.0 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	63.000 dB
Online Thermal Dissipation	17244.000 BTU/hr
Protection Class	IP 20 , NEMA 1

Conformance

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