



Overview

Description	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.
Model Name	Symmetra PX 64kW Scalable to 160kW, 400V
Includes	Network Management Card , Start-Up Service , User Manual
Standard Lead Time	Usually Ships within 3 Weeks
Product Distribution	Afghanistan , Albania , Algeria , Angola , Anguilla , Antigua And Barbuda , Argentina , Armenia , Aruba , Australia , Austria , Azerbaijan , Bahamas , Bangladesh , Barbados , Belarus , Belgium , Belize , Bermuda , Bolivia , Bosnia And Herzegovina , Brazil , Bulgaria , Cambodia , Cameroon , Central African Republic , Chad , Chile , China , Colombia , Congo , CONGO, THE DEMOCRATIC REPUBLIC OF THE , Costa Rica , Croatia , Cuba , Cyprus , Czech Republic , Denmark , Dominica , Dominican Republic , East Timor , Ecuador , Egypt , El Salvador , Eritrea , Estonia , Ethiopia , Falkland Islands (Malvinas) , Fiji , Finland , France , Gambia , Georgia , Germany , Greece , Grenada , Guadeloupe , Guatemala , Guinea , Guyana , French Guiana , Haiti , Honduras , Hong Kong , Hungary , Iceland , India , Indonesia , Iraq , Ireland , Israel , Italy , Jamaica , Jordan , Kazakhstan , Kenya , KOREA, REPUBLIC OF , Latvia , Lebanon , Liechtenstein , Lithuania , Luxembourg , Macedonia , Madagascar , Malaysia , Martinique , Mauritius , Mayotte , Mexico , Mongolia , Morocco , Myanmar , Netherlands , Netherlands Antilles , New Zealand , Nicaragua , Norway , Pakistan , Panama , Paraguay , Peru , Philippines , Poland , Portugal , Puerto Rico , Reunion , Romania , Russian Federation , SAINT KITTS AND NEVIS , SAINT LUCIA , SAINT VINCENT AND THE GRENADINES , Saudi Arabia , Senegal , Singapore , Slovakia (Slovak Republic) , Slovenia , South Africa , Spain , Sri Lanka , Sudan , Suriname , Sweden , Switzerland , Thailand , Trinidad And Tobago , Tunisia , Turkey , Turks And Caicos Islands , Uganda , Ukraine , United Arab Emirates , Uruguay , Venezuela , Viet Nam , VIRGIN ISLANDS (UNITED STATES) , Yemen , Zambia , Zimbabwe

General

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

Output

Output Power Capacity	64.0 KW / 64.0 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	160 A
Bypass	Built-in Static Bypass

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
Input voltage adjustable range for mains operation	340 - 460 (400V)V
Maximum Input Current	118 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	6
Battery Slots Empty	3
Typical recharge time	3.5 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	4 kA
Efficiency in Battery Operation	94.00 %
End of Discharge Maximum Battery Current	221 A
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%

Communications & Management

Interface Port(s)	DB-9 RS-232 , SmartSlot
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	1388.0 kg
Shipping Weight	1511.0 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	11496.000 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 , Eurobat General Purpose , ISO 14001 , ISO 9001 , VFI-SS-111
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up