

SY125K500D

Symmetra PX 125kW Scalable to 500kW without Maintenance Bypass & Distribution-Parallel Capable



Overview

Description	A high-performance, 3-phase, modular, scalable, power protection solution with industry-leading efficiency, capacity, and performance for medium to large data centers and mission-critical environments. Multiple UPSs can be installed in parallel for ultra-efficient system redundancy or up to 2MW of power protection. Parallel installations with custom switchgear and installations using a 3rd-party maintenance bypass panel require the APC Symmetra PX250/500 Third Party Switchgear Kit for breaker monitoring and EPO functionality.
Model Name	Symmetra PX 125kW Scalable to 500kW without Maintenance Bypass & Distribution-Parallel Capable
Includes	Assembly service , Installation guide , Network Management Card , Start-Up Service , User Manual
Product Distribution	Albania , Algeria , Andorra , Angola , Anguilla , Antigua And Barbuda , Argentina , Armenia , Aruba , Australia , Austria , Azerbaijan , Bahrain , Bangladesh , Barbados , Belarus , Belgium , Belize , Benin , Bermuda , Bolivia , Bosnia And Herzegovina , Botswana , Brazil , Bulgaria , Burkina Faso , Burundi , Cameroon , Canada , Cayman Islands , Central African Republic , Chad , Chile , China , Colombia , Congo , CONGO, THE DEMOCRATIC REPUBLIC OF THE , Costa Rica , Cote D'Ivoire , Croatia , Cuba , Cyprus , Czech Republic , Denmark , Djibouti , Dominican Republic , Ecuador , Egypt , El Salvador , Equatorial Guinea , Eritrea , Estonia , Ethiopia , Falkland Islands (Malvinas) , Finland , France , Gabon , Gambia , Georgia , Germany , Ghana , Gibraltar , Greece , Guatemala , Guinea , Guyana , Honduras , Hong Kong , Hungary , Iceland , India , Indonesia , Iran (Islamic Republic Of) , Iraq , Ireland , Israel , Italy , Jamaica , Jordan , Kazakhstan , Kenya , KOREA, REPUBLIC OF , Kuwait , Latvia , Lebanon , Lesotho , Liberia , Liechtenstein , Lithuania , Luxembourg , Macedonia , Malawi , Malaysia , Mali , Malta , Mauritania , Mexico , Moldova, Republic Of , Mongolia , Morocco , Mozambique , Namibia , Netherlands , Netherlands Antilles , New Zealand , Nicaragua , Niger , Nigeria , Norway , Oman , Pakistan , Panama , Paraguay , Peru , Philippines , Poland , Portugal , Puerto Rico , Romania , Russian Federation , Rwanda , Saudi Arabia , Senegal , Sierra Leone , Singapore , Slovakia (Slovak Republic) , Slovenia , Somalia , South Africa , Spain , Sri Lanka , Sudan , Suriname , Sweden , Switzerland , Taiwan , Tajikistan , TANZANIA, UNITED REPUBLIC OF , Thailand , Togo , Trinidad And Tobago , Tunisia , Turkey , Turkmenistan , Uganda , Ukraine , United Arab Emirates , United States , Uruguay , Uzbekistan , Venezuela , Viet Nam , VIRGIN ISLANDS (UNITED STATES) , Western Sahara , Yemen , Zambia , Zimbabwe

General

Bypass Voltage Tolerance	+/-10% settable from +/-4/6/8 and 10%
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Output

Output Power Capacity	125.0 KW / 125.0 kVA
Max Configurable Power (Watts)	500.0 KW / 500.0 kVA
Nominal Output Voltage	400 3PH , 480 3PH

Output Voltage Distortion	Less than 2%
Output Frequency (sync to mains)	50 Hz , 60 Hz
Other Output Voltages	415V
Other Output Voltages	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + G) (Battery Backup) , (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% linear load and <3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass	Built-in Static Bypass

Input

Nominal Input Voltage	400 3PH 480 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 4-wire (3PH + G) , Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	340 - 460 (400V) V , 408 - 552 (480) V
Other Input Voltages	415
Maximum Short Circuit Withstand (Icw)	50.0
Input Total Harmonic Distortion	Less than 5% for full load
Type of Input Protection Required	3-pole breaker

Batteries & Runtime

Battery Type	VRLA
Included Battery Modules	8
Typical recharge time	3.5 hour(s)
RBC Quantity	6
Efficiency in Battery Operation	96.00 %
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%

Communications & Management

Interface Port(s)	SYPX250-500_Parallel
Available SmartSlot™ Interface Quantity	1
Pre-Installed SmartSlot™ Cards	AP9635
Control panel	Touch Screen LCD User Interface
Emergency Power Off (EPO)	Optional

Physical

Maximum Height	78.39 inches (1991.0 mm)
Maximum Width	100.39 inches (2550.0 mm)
Maximum Depth	42.13 inches (1070.0 mm)
Net Weight	6014.8 lbs (2734.0 kg)
Shipping Weight	6679.2 lbs (3036.0 kg)
Shipping Height	84.65 inches (2150.0 mm)
Shipping Width	117.72 inches (2990.0 mm)
Shipping Depth	50.0 inches (1270.0 mm)
Color	Black

Environmental

Operating Environment	32 - 104 °F (0 - 40 °C)
Operating Relative Humidity	0 - 95 %
Operating Elevation	0-3333 feet (0-999.9 meters)
Storage Temperature	5 - 104 °F (-15 - 40 °C)
Storage Relative Humidity	0 - 95 %
Storage Elevation	0-50000 feet (0-15000 meters)
Audible noise at 1 meter from surface of unit	54.000 dB
Online Thermal Dissipation	19427.000 BTU/hr
Protection Class	IP 20 , NEMA 1

Conformance

Approvals	CSA C22.2 No.107.3-05 , EN/IEC 62040-1-1 , EN/IEC 62040-2 , EN/IEC 62040-3 , Eurobat General Purpose , OSHPD , UL 1778 , UL 60950-1 , UL Listed , cUL Listed
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up