

SY500K500DR-PD

Symmetra PX 500kW Scalable to 500kW with Right Mounted Maintenance Bypass and Distribution



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.
Model Name	Symmetra PX 500kW Scalable to 500kW with Right Mounted Maintenance Bypass and Distribution
Includes	Assembly service
Product Distribution	Albania

General

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

Output Power Capacity	500.0 KW / 500.0 kVA
Max Configurable Power (Watts)	500.0 KW / 500.0 kVA
Nominal Output Voltage	400 3PH
Output Voltage Distortion	Less than 2%
Output Frequency (sync to mains)	50 Hz
Other Output Voltages	380, 415V
Other Output Voltages	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + 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 Maintenance Bypass

Input

Nominal Input Voltage	400 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 4-wire (3PH + G)

Input voltage range for main operations	340 - 460 (400V) 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	32
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

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	1991.0 mm
Maximum Width	5200.0 mm
Maximum Depth	1070.0 mm
Net Weight	8521.0 kg
Shipping Weight	9314.0 kg
Shipping Height	2150.0 mm
Shipping Width	7100.0 mm
Shipping Depth	1270.0 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	54.000 dB
Online Thermal Dissipation	61893.000 BTU/hr
Protection Class	IP 20

Conformance

Approvals	CSA C22.2 No.107.3-05
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up