



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

Part Number: SY500K500DR-PD



General

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

Output Power Capacity	500 kW / 500 kVA
Max Configurable Power	500 kW / 500 kVA
Nominal Output Voltage	480V 3PH
Efficiency at Full Load	96%
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	50 Hz,60 Hz
Crest Factor	Unlimited
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + G) (1) Hard Wire 5-wire (3PH + N + G)
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 n
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Efficiency at Half Load	96%
Bypass	Built-in Maintenance Bypass,Built-in Static Bypass

Input

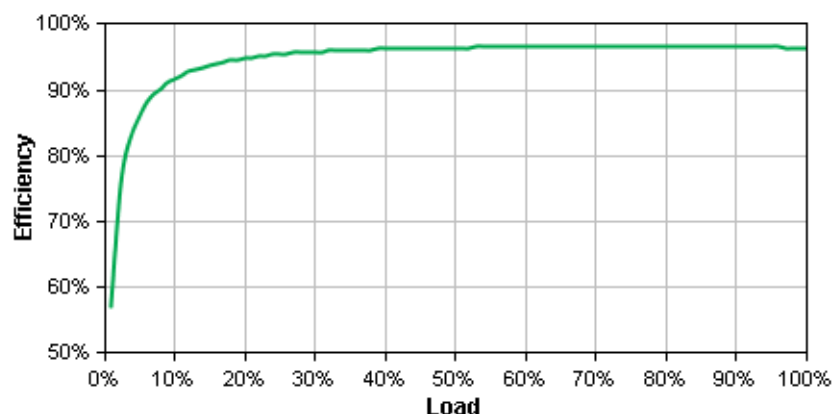
Nominal Input Voltage	480V 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 4-wire (3PH + G) Hard Wire 5-wire (3PH + N + G)

Input voltage range for main operations	408 - 552 (480)V
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	192
Typical recharge time	3.50 hour(s)
RBC™ Quantity	6
Efficiency in Battery Operation	96%
Typical Backup Time at Half Load	20.6 minutes (250000 Watts)
Typical Backup Time at Full Load	6.4 minutes (500000 Watts)
Runtime Chart	Symmetra PX
Extended Run Options	APC Symmetra PX 500kW Scalable to 500kW with Right Mounted Maintenance Bypass and Distribution

Energy Use/Efficiency



Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and resistive load output.

[View Enlarged Chart](#)

Communications & Management

Available SmartSlot™ Interface Quantity	3
Control panel	Touch Screen LCD User Interface
Emergency Power Off (EPO)	Optional

Physical

Maximum Height	78.39 inches (1991 mm)
Maximum Width	204.72 inches (5200 mm)
Maximum Depth	42.13 inches (1070 mm)
Net Weight	18776.00 lbs. (8534.55 kg)
Shipping Weight	20858.00 lbs. (9480.91 kg)
Shipping Height	84.65 inches (2150 mm)
Shipping Width	279.53 inches (7100 mm)
Shipping Depth	50.00 inches (1270 mm)
Color	Black

Environmental

Operating Environment	32 - 104 °F (0 - 40 °C)
Operating Relative Humidity	0%
Operating Elevation	0-3333 feet (0-999.9 meters)
Storage Temperature	5 - 104 °F (-15 - 40 °C)
Storage Relative Humidity	0%
Storage Elevation	0-50000 feet (0-15000 meters)
Audible noise at 1 meter from surface of unit	54.00 dBA
Online Thermal Dissipation	61893.00 BTU/hr
Protection Class	NEMA 1,IP 20

Conformance

Regulatory Approvals	cUL Listed,CE,EN/IEC 62040-2,EN/IEC 62040-3,EN/IEC 62040-1-1,UL 1778,UL 60950-1,UL Listed
Standard Warranty	1 year on-site repair or replace with factory authorized Start-Up

*Except where noted, all prices are Estimated Resale Price (ERP) - Without Tax/VAT. Pricing in other locations and sites may vary.

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.

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