

# Symmetra PX 250kW Scalable to 500kW with Left Mounted Maintenance Bypass and Distribution

SY250K500DL-PD

#### **Overview**

Presentation	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.	
Lead time	Usually Ships within 6 Weeks	
Main		
Main Input Voltage	480 V 3 phases 400 V 3 phases	
Other Input Voltage	415 V	
Main Output Voltage	480 V 3 phases 400 V 3 phases	
Other Output Voltage	415 V	
Rated power in W	250000 W	
Rated power in VA	250000 VA	
Output connector type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1	
Battery type	VRLA	
Provided equipment	Assembly service Installation guide Network management card Start-up service User manual	

#### **Batteries & Runtime**

Run Time	View Runtime Graph ☐	
Efficiency	View Efficiency Graph ☐	
Number of battery filled slots	16	
Number of battery free slots	0	
Battery recharge time	8 h	
Number of battery replacement quantity	6	
Battery overload operation	10 minutes at 125% and 60 seconds at 150%	
Battery charger power	10355 W rated	
Battery design life	58 year(s)	
Extended runtime	1	

#### General

Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %	
Number of power module free slots	10	
Number of power module filled slots	10	
Redundant	Yes	

# **Physical**

Colour	Black
Height	199.1 cm
Width	370 cm
Depth	107 cm
Product weight	4905 kg
USB compatible	No

## Input

Network frequency	4070 Hz auto-sensing	
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)	
Input voltage limits	340460 V 400 V 408552 V 480 V	
Max short time withstand current	50 kA	
Input harmonic distortion	Less than 5 % for full load	
Input protection type	3-pole circuit breaker	
Load power factor	0.5 leading to 0.5 lagging	
Input Power Factor at Full Load	0.99	

# Output

Maximum configurable power in W	500000 W	
Harmonic distortion	Less than 2 %	
Output frequency	50 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz sync to mains	
UPS type	Double conversion online	
Wave type	Sine wave	
Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step	
Output harmonic distortion	< 2% linear load and < 3% non-linear load	
Output overload operation	10 minutes at 125% and 60 seconds at 150%	
Bypass type	Built-in maintenance bypass Built-in static bypass	
Efficiency	96 % (in battery operation)	
Maximum configurable power in VA	500000 VA	
Transfer time	2 ms typical	

## Conformance

Product certifications	cUL listed EUROBAT UL listed
Standards	CSA C22.2 No 107.3-05 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 UL 1778 UL 60950-1

#### **Environmental**

Ambient air temperature for operation	040 °C	
Relative humidity	095 %	
Operating altitude	03333 ft	
Ambient air temperature for storage	-1540 °C	
Storage Relative Humidity	095 %	
Storage altitude	0.000000000015240.000000000 m	
Acoustic level	54 dBA	
Heat dissipation	30946 Btu/h	
NEMA degree of protection	NEMA 1	
IP degree of protection	IP20	

# **Communications & Management**

Free slots	1	
Preinstalled device	Network management card 2 with environmental monitoring, out of band access and Modbus	
control panel	Touch screen LCD user interface	
Emergency power off	Optional	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	215 cm
Package 1 Width	127 cm
Package 1 Length	486 cm
Package 1 Weight	5380 kg

#### **Contractual warranty**

Warranty 1 year on-site repair or replace with factory authorized Start-Up



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

#### **Use Better**

<b>⊗</b> Materials and Substances	
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
₩ Energy efficiency	
Optimized Energy Efficiency	Energy efficient product

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Image of product / Alternate images

**Alternative** 

