

Symmetra® PX

Three Phase UPS



SY10K40F

- Configurable for N+1 internal redundancy
- Redundant intelligence modules
- Power modules and battery modules connected in parallel
- Scalable power capacity and runtime
- Emergency power off

Symmetra PX

Models:	Symmetra 80/80PX	Symmetra 70/80PX	Symmetra 60/80PX	Symmetra 50/80PX	Symmetra 40/80PX	Symmetra 40/40PX
Output						
Output Power Capacity:	80kVA / 80kW	70kVA / 70kW	60kVA / 60kW	50kVA / 50kW	40kVA / 40kW	40kVA / 40kW
Max Configurable Power:	80kVA / 80kW	80kVA / 80kW	80kVA / 80kW	80kVA / 80kW	80kVA / 80kW	40kVA / 40kW
Nominal Output Voltage:	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH
Waveform Type:	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave
Output Frequency (sync to mains):	57 to 63Hz for 60Hz nominal					
Output Connections:	(1) Hard Wire 5-wire (3PH + N + G), (1) Screw Terminal					
Output Voltage Tolerance:	-	-	-	-	-	-
Input						
Nominal Input Voltage:	208V 3PH	208V 3PH	208V 3PH	208V 3PH	208V 3PH	208V 3PH
Input Frequency (auto sensing):	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz
Input Connections:	Hard Wire 5-wire (3PH + N + G)					
Bypass:	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass
Max Bypass Input Current:	162A	162A	162A	162A	162A	162A
Bypass Protection Device:	175A	175A	175A	175A	175A	175A
Batteries and Runtime						
Battery Type:	No internal battery - uses external battery system					Maintenance-free sealed Lead-Acid, leakproof
Included Battery Modules:	8	7	6	5	4	4
Available Battery Slots:	-	1	2	3	4	-
Typical Recharge Time (hrs)**:	2	2	2	2	2	2
Replacement Battery Cartridge:	SYBT4	SYBT4	SYBT4	SYBT4	SYBT4	SYBT4
Runtime Full / Half Load (min):	3.5 / 13.7	3.5 / 13.7	3.5 / 13.7	3.5 / 13.7	3.6 / 13.9	3.5 / 14
Communication and Management						
Interface Port(s):	Contact Closure, RJ-45 10 Base-T ethernet for web/ SNMP/ Telnet management, Smart-Slot					
Pre-Installed SmartSlot:	AP9617	AP9617	AP9617	AP9617	AP9617	AP9617
Control Panel:	-	-	-	-	-	Multi-function LCD status and control console
Audible Alarm:	Alarm when on battery, distinctive low battery alarm, configurable delays					
Mechanical						
Dimensions (in/mm):	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 23.6 x 35.5 / 2070 x 600 x 902
Rack Height:	42RU	42RU	42RU	42RU	42RU	42RU
Net Weight (lb/kg):	3262.8 / 1480	3005.3 / 1363.2	2747.8 / 1246.4	2490.2 / 1129.6	2232.7 / 1012.7	1708.6 / 775
Environmental						
Temperature:	0 to 40°C / 32 to 104°F	-50 to 40°C / -58 to 104°F	0 to 40°C / 32 to 104°F			
Humidity:	0 to 95%	0 to 95%	0 to 85%	0 to 95%	0 to 95%	0 to 95%
Elevation:	0 to 3000m / 0 to 10000ft					
Storage Temperature:	-15 to 40°C / 5 to 104°F					
Audible Noise at 1 Meter:	71dBA	71dBA	71dBA	71dBA	64dBA	64dBA
Online Thermal Dissipation:	22744BTU/hr	20797BTU/hr	17826BTU/hr	14855BTU/hr	11884BTU/hr	11611BTU/hr
Conformance						
Regulatory Approvals:	cUL Listed, CSA, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778					cUL Listed, EN 50091-1, EN 50091-2, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950
Reference:	SY80K80F	SY70K80F	SY60K80F	SY50K80F	SY40K80F	SY40K40F

**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.