

Symmetra 230 V

4-16 kVA N + 1 Redundant rack/tower convertible 13U-19U,
4-16 kVA N + 1 Redundant extended run tower

Highly available, redundant, and scalable double-conversion on-line power protection



The first UPS with redundancy and scalability within a single chassis

Symmetra™ 230 V uses a modular, redundant architecture that can scale power and runtime as demand increases or when higher levels of availability are required.

- Configurable for N+1 internal redundancy
- Scalable power capacity
- Manageable external batteries
- Network manageable
- LCD display
- Modular design
- Automatic internal bypass
- Frequency and voltage regulation

Features and benefits

Symmetra 230 V

Battery systems

Additional battery modules or external battery frames can be added to achieve desired levels of runtime. Symmetra LX battery modules and frames are hot-swappable so you never have to bring down your mission critical loads to service the unit.

SYBT5 Battery module for APC Symmetra LX

SYARMXR3B3I, SYARMXR9B9I, SYAXR9B9I
Symmetra LX Extended Run Battery Frames



Power distribution

Field replaceable receptacle panels allow direct connection enabling fast installation of new IT equipment.

SYPD10 230 V backplate kit with (2) IEC320 C19 and (1) IEC 60309

SYPD4 220-240 V backplate kit with (8) IEC320 C13 and (2) IEC320 C19

SYPD8 230 V backplate kit with (4) IEC 320 C19



Service bypass

Service bypass panels featuring quick transfer time and wraparound service bypass.

SBP20KP: APC Service bypass panel
200/208/230/240 V 125A
Hard-wire input/output

SBP16KRM14U: 230 V; 100A; MBB;
Hard-wire input; (3) 30A Hard-wire output



Services

Services to extend the coverage beyond the original factory warranty or on-site to diagnose or repair your APC equipment.

WBEXTWAR1YR-SP-06
1 Year extended warranty

WBEXTWAR3YR-SP-06
3 Year extended warranty

WADVPLN1P-SY-06
1 Year next business day 1P
advantage plan for Symmetra

WUPGONSITEFW-SY-00
Next business day on-site service
upgrade to factory warranty

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Runtime estimates

UPS VA	3,000 W	4,000 W	5,000 W	6,000 W	7,000 W	8,000 W	9,000 W	10,000 W	11,000 W	Full load	Half load
4,000 VA	:07									:06	:17
8,000 VA	:18	:13	:09	:07						:06	:17
12,000 VA	:30	:21	:16	:13	:10	:08	:07			:06	:17
16,000 VA	:42	:30	:23	:19	:15	:13	:11	:09	:08	:06	:17

For more runtime options visit www.apc.com

Technical specifications

Symmetra 4-16 kVA rack and tower units

Output

Nominal output voltage	230 Vac
Efficiency at full load	90%
Output frequency (sync to mains)	47-63 Hz
Waveform type	Sine wave
Output power capacity	2,800-11,200 W
Output connections	Tower - (1) Hard-wire 3-wire (H N + G), 16 kVA Rack frame - (1) Hard-wire 3-wire (H N + G), (8) IEC 320 C13 (10) IEC 320 C19, 8 kVA Rack frame - (1) Hard-wire 3-wire (H N + G), (8) IEC 320C13 (6) IEC 320 C19

Input

Nominal input voltage	230 VAC 1PH, 400 VAC 3PH
Input frequency	45 - 65 Hz (auto sensing)
Input connections	Hard-wire 3 wire (1PH+N+G), Hard-wire 5-wire (3PH + N + G)
Bypass	Internal bypass (automatic and manual), Optional external bypass

Battery

Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte: leakproof
Battery module	SYBT5
Runtime	Runtimes vary with load, visit www.apc.com for specifics

Communications and management

Interface port(s)	DB-9 RS-232, SmartSlot
Pre-Installed SmartSlot™ cards	AP9631
Emergency power off (EPO)	Yes
Control panel	Multifunction LCD status and control console

Physical

Maximum height	16 kVA frame - Rack: 19U, Tower: 937 mm, Tower XR: 1516 mm 8kVA frame - Rack: 13U, Tower: 671 mm
Maximum width	Rack: 472 mm, Tower: 483 mm
Maximum depth	738 mm (Rack: 688 mm behind the front mounting rail)
Maximum weight (without redundant power module)	16 kVA frame - Rack: 287 kg, Tower: 308 kg, Tower XR: 504 kg, 8kVA Frame - Rack: 178 kg, Tower: 202 kg

For detailed specifications by model visit www.apc.com