

## APC Symmetra 12kVA Scalable to 16kVA N+1 208/240V w/Outlets

APC Symmetra, 12000VA/8400W, Input 208V/Output 120V, 208V, Interface Port DB-9 RS-232, SmartSlot

Includes: CD with software, User Manual

Part Number : **SY12KEX-PD**

**DISCONTINUED** : recommended replacement product [SYA12K16P](#)

[Compare Models](#)

[Runtime Chart](#)

[Email Technical Specifications](#)

[Printer Friendly](#)

### Additional Information

[Product Overview](#)

[User Manual & Installation Guides](#)

[Product Distribution](#)



[+] More Images

## Technical Specifications

### Output

Output power capacity	12000 VA
Output power capacity	8400 Watts
Max Configurable Power	16000 VA
Max Configurable Power	11200 Watts
Nominal output voltage	120V,208V
Output Voltage Note	Configurable for 120/208 or 120/240 output voltage
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	57 - 63 Hz for 60 Hz nominal
Crest Factor	up to 5 : 1
Waveform type	Sine wave

(1) Hard Wire 3-wire (2PH + G)  
 (1) Hard Wire 4-wire (2PH + N + G)

(4) NEMA 5-15R

(3) NEMA L14-30R

(3) NEMA L6-30R



### Options:

- [Automatic Transfer Switches](#)
- [Batteries](#)
- [External BackPlate Kits](#)
- [Interface Connections](#)
- [Management Devices](#)
- [Power Cords](#)
- [Power Modules](#)
- [Rack Power Distribution](#)
- [Service Bypass Panels](#)
- [Services](#)
- [Software](#)
- [Step Down Transformers](#)

### General Features:

- [Audible alarms](#)
- [Automatic internal bypass](#)
- [Automatic restart of loads after UPS shutdown](#)
- [Automatic self-test](#)
- [Battery modules connected in parallel](#)
- [Cold-start capable](#)
- [Configurable for N+1 internal redundancy](#)
- [Disconnected battery notification](#)
- [Field-replaceable power distribution panel](#)
- [Frequency and voltage regulation](#)
- [Generator compatible](#)

## Input

Bypass	Internal Bypass (Automatic and Manual)
Nominal input voltage	208V
Input frequency	45 - 65 Hz (auto sensing)
Input Connection Type	Hard Wire 3 wire (1PH+1PH+G)
Input voltage range for main operations	155 - 276V
Other Input Voltages	240

## Batteries & Runtime

Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Battery Modules Shipped with Unit	3
Battery Slots Empty	1
Replacement battery cartridge	SYBATT
Typical backup time at half load	16.7 minutes (4200 Watts)
Typical backup time at full load	5.1 minutes (8400 Watts)
Runtime Chart	<a href="#">Symmetra</a>

## Communications & Management

Interface port	DB-9 RS-232,SmartSlot
Available Smart Slot Interface Quantity	3
Pre-Installed SmartSlot Cards	AP9617
Control panel	Multi-function LCD status and control console
Audible alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Yes

## Physical

Maximum height	52.00 inches (1321 mm)
Maximum width	24.00 inches (610 mm)
Maximum depth	27.00 inches (686 mm)
Net weight	864.00 lbs. (392.73 kg)
Shipping Weight	967.00 lbs. (439.55 kg)
Shipping Height	62.00 inches (1575 mm)
Shipping Width	33.00 inches (838 mm)
Shipping Depth	29.00 inches (737 mm)
Color	Beige
Units per Pallet	1.00

## Environmental

Operating Environment	0 - 40 °C (32 - 104 °F)
Operating Relative Humidity	0 - 95%

- i Hot-swappable batteries
  - i Hot-swappable intelligence modules
  - i Hot-swappable power modules
  - i InfraStruXure Manager compatible
  - i Input power factor correction
  - i Intelligent battery management
  - i LCD display
  - i Manageable external batteries
  - i Modular design
  - i Network manageable
  - i Plug-and-Play external batteries
  - i Power conditioning
  - i Power Modules connected in parallel
  - i Predictive failure notification
  - i Programmable frequency
  - i Redundant Intelligence Modules
  - i Resettable circuit breakers
  - i Safety-agency approved
  - i Scalable power capacity
  - i Scalable runtime
  - i SmartSlot
  - i User-replaceable batteries
  - i User-replaceable intelligence modules
  - i User-replaceable power modules
- [more details....](#)

**Topology:** Double Conversion Online

Operating Elevation	0-10000 feet (0-3000 meters)
Storage Temperature	-15 - 45 °C (5 - 113 °F)
Storage Relative Humidity	0 - 95%
Storage Elevation	0-50000 feet (0-15000 meters)
Online thermal dissipation	3727 BTU/hr

## Conformance

Approvals	CSA,FCC Part 15 Class A,UL 1778
-----------	---------------------------------