

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

APC Symmetra, 16000VA/11200W, Input 208V/Output 120V, 208V, Interface Port DB-9  
 RS-232, SmartSlot

Includes: CD with software, User Manual

Part Number : **SY16K-PD**

**DISCONTINUED** : recommended replacement product [SYA16K16P](#)

[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            | 16000 VA   |
| Output power capacity            | 11200 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  |

|                    |                                    |  |
|--------------------|------------------------------------|--|
| Output Connections | (1) Hard Wire 3-wire (2PH + G)     |  |
|                    | (1) Hard Wire 4-wire (2PH + N + G) |  |
|                    | (4) NEMA 5-15R                     |  |
| Output Connections | (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 | 4  |
| Replacement battery cartridge     | SYBATT   |
| Typical backup time at half load  | 16.8 minutes (5600 Watts)  |
| Typical backup time at full load  | 5.1 minutes (11200 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      | 949.00 lbs. (431.36 kg)  |
| Shipping Weight | 1076.00 lbs. (489.09 kg) |
| Shipping Height | 62.00 inches (1575 mm)   |
| Shipping Width  | 33.00 inches (838 mm)    |
| Shipping Depth  | 29.00 inches (737 mm)    |
| Color           | Beige                    |

## Environmental

|                             |                              |
|-----------------------------|------------------------------|
| Operating Environment       | 0 - 40 °C (32 - 104 °F)      |
| Operating Relative Humidity | 0 - 95%                      |
| Operating Elevation         | 0-10000 feet (0-3000 meters) |
| Storage Temperature         | -15 - 45 °C (5 - 113 °F)     |

- 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

|                            |                               |
|----------------------------|-------------------------------|
| Storage Relative Humidity  | 0 - 95%                       |
| Storage Elevation          | 0-50000 feet (0-15000 meters) |
| Online thermal dissipation | 4969 BTU/hr                   |

## Conformance

|                   |  |
|-------------------|--|
| Approvals         | CSA,FCC Part 15 Class A,UL 1778  |
| Standard warranty | 2 years repair or replace,optional on-site warranties available,optional extended warranties available |