



5300-PS



5300-HPS

### Plug Strips

DESCRIPTION	CAT. NO.	RATING	APPLICATION
6-Outlet Plug Strip w/ON/OFF Switch	<b>5300-PS</b>	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	<b>5300-GS</b>	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch with 15 ft. (4.57m) Power Cord	<b>5300-S15</b>	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch w/15ft. (4.57m) Power Cord, Office Gray	<b>5300-G15</b>	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch	<b>5300-PST</b>	15A-120V AC	Telephone line/modem line protection
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	<b>5300-GST</b>	15A-120V AC	Telephone line/modem line protection
6-Outlet Plug Strip w/ON/OFF Switch	<b>5300-PSC</b>	15A-120V AC	CATV line surge protection
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	<b>5300-GSC</b>	15A-120V AC	CATV line surge protection
Hospital Grade 6-Outlet Plug Strip w/clear plug	<b>5300-HPS</b>	15A-120V AC	Continues to supply power to load if protection is lost
6-Outlet Plug Strip w/ON/OFF Switch	<b>5300-IPS</b>	15A-120V AC	Rugged aluminum housing for use in rough environments
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch	<b>5200-PS</b>	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF switch, Office Gray	<b>5200-GS</b>	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch, w/15 ft. (4.57m) Power Cord	<b>5200-S15</b>	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch, w/15 ft. (4.57m) Power Cord, Office Gray	<b>5200-G15</b>	15A-120V AC	For microprocessor-based equipment
General-Duty 6-Outlet Plug Strip	<b>5100-PS</b>	15A-120V AC	
General-Duty 6-Outlet Plug Strip, Office Gray	<b>5100-GS</b>	15A-120V AC	
General-Duty 6-Outlet Plug Strip, w/15 ft. (4.57m) Power Cord	<b>5100-S15</b>	15A-120V AC	
General-Duty 6-Outlet Plug Strip, w/15ft. (4.57m) Power Cord, Office Gray	<b>5100-G15</b>	15A-120V AC	
General-Duty 6-Outlet Plug Strip	<b>5100-IPS</b>	15A-120V AC	Rugged aluminum housing for use in rough environments
General-Duty 6-Outlet Plug Strip	<b>5100-IS2</b>	20A-120V AC	Rugged aluminum housing for use in rough environments

### SPECIFICATIONS & FEATURES

#### Plug Strips

- Available in Hospital Grade, Industrial Specification Grade, Commercial Specification Grade and General Purpose Classifications
- Clamping profile tightly tracks AC sine wave
- Real-time diagnostics monitor power & suppression status
- Six protected outlets
- If protection is lost, 5300 and 5200 - group Plug-Strip SPD's interrupt power to the protected load & cannot be reset, to assure the load will not be operated while vulnerable to transient voltage surges (except 5300-HPS)
- Resettable circuit breaker & internal fusing
- May be wall-mounted
- Equipped with a 6-foot (1.83m), AWG 14/3 power cord

### TESTING & CODE COMPLIANCE

#### 5300-HPS

- UL Listed 544 (File #118936)
- UL Listed (File Nos. #1449, 1363, 1283)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 standards for both Categories A & B

#### Plug Strips

- Lifetime Limited Downline Warranty for device and equipment plugged into it

### MATERIAL CHARACTERISTICS

#### 5100-PS, 5200-PS, 5300-PS

Operating Temperature: 0°C to 40°C  
Storage Temperature: -35°C to 60°C

#### 5300-HPS

Operating Temperature: 0°C to 60°C  
Storage Temperature: -35°C to 60°C

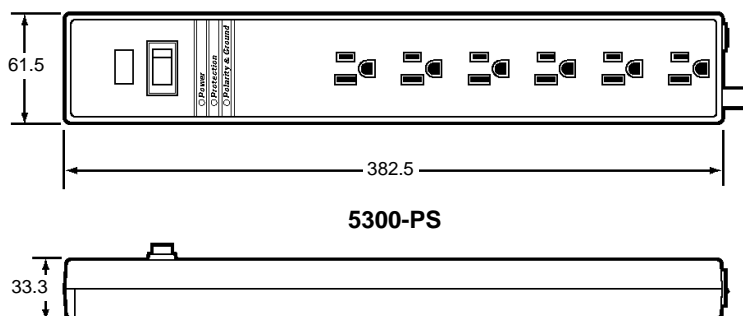
#### 5100-IPS, 5300-IPS, 5100-IS2

Operating Temperature: -10°C to 60°C  
Storage Temperature: -35°C to 60°C

### Clamping Performance - Normal Mode followed by (Common Mode)

SPECIFICATION	5100-PS	5200-PS	5300-PS Group
Max. single-pulse transient current (8x20µs, Amps peak)	15,000A (13000A)	26,000A (26000A)	33,000A (26000A)
Rated single-pulse transient energy (10x1000µs, Joules)	180 Joules (160 Joules)	250 Joules (250 Joules)	300 Joules (280 Joules)
EMI/RFI noise rejection @ 50 Ohms 5kHz-100MHz	10-20dB (10-20dB)	40-50dB (30-40dB)	50-60dB (30-40dB)
Cat. A ringwave (6kV, 200A,100kHz)	370V (400V)	230V (380V)	190V (350V)
Cat. B ringwave (6kV, 500A,100kHz)	420V (420V)	270V (400V)	210V (370V)
Cat B impulse (6kV, 3kA, 8x20µs)	490 (480V)	370 (450V)	310 (390V)
UL 1449 ratings (8x20µs @ 3kA) (L-N/L-G, N-G)	330/500/400	330/400/330	330/330/330 400/400/400 for 5300-HPS only

All devices are UL Listed and CSA Certified.



5300-PS

## Industrial Specification Grade Plug-Strip Surge Protective Devices

These Industrial Specification Grade Plug-Strips advanced circuit design offers extremely tight clamping levels and exceptional noise attenuation. Real-time diagnostics monitor power and suppression status. All Plug-Strip units provide Normal Mode (L-N) and Common Mode (L-G, N-G) protection. These surge protective devices are compatible with Decora Home Controls, and will not attenuate the command signals transmitted by DHC controllers. In addition, Catalog Nos. 5100-PS, 5200-PS and the 5300-group devices are backed by Manufacturer's Lifetime Limited Down-line Warranty that assures you of top SPD performance and also extends coverage to the equipment plugged into these units.

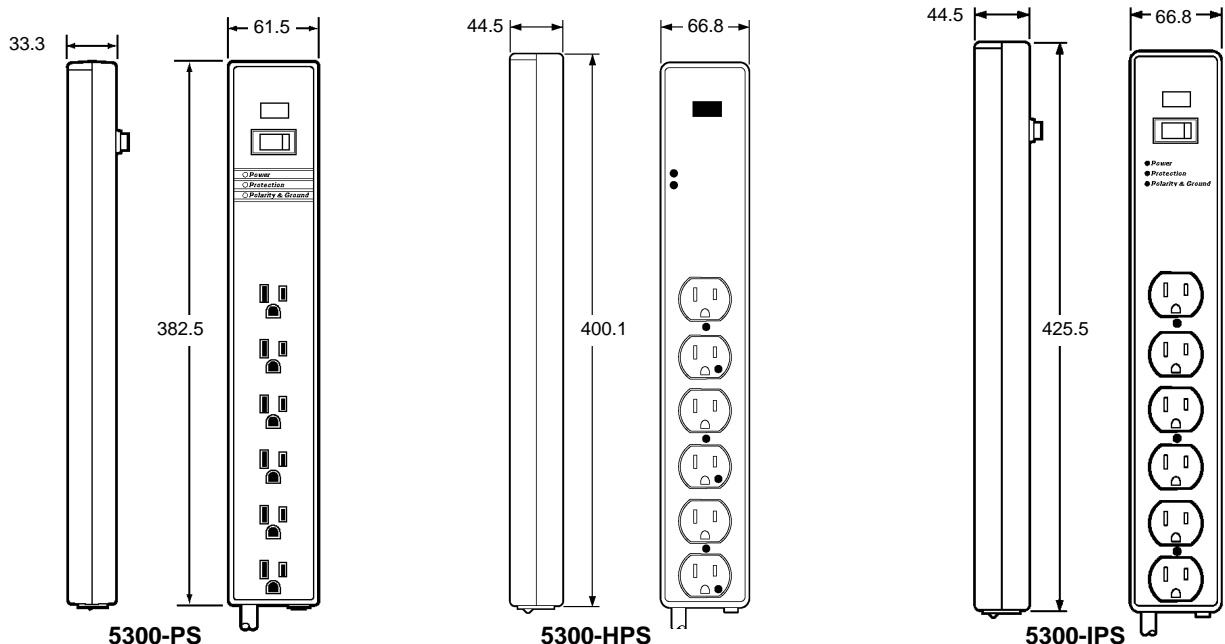


### Features Shared By All 5300-Group Plug-Strip SPD's:

- Covered by Lifetime Downline Limited Warranty
- Clamping profile tightly tracks AC sine wave
- Real-time diagnostics monitor power and suppression status
- Six protected outlets
- Easy-access rocker-style on/off switch
- If protection is lost, 5300-group Plug-Strip SPD's interrupt power to the protected load and cannot be reset to assure the load will not be operated while vulnerable to transient voltage surges
- On-board thermal fusing
- Resettable circuit breaker protects against overloading and power-supply failure
- Provided with 6-foot (1.83m) line cord with grounding NEMA 5-15P plug
- 5300-S15 is identical, but with 15 ft (4.57m) line cord
- Available in Computer Beige or Office Gray
- Rated 15A 120V AC

### Catalog No. 5300-PS

The 5300-PS is the basic Plug-Strip Surge Protective Device in a group of devices that all share the same high-performance surge suppression circuitry. The other devices in the 5300 group of plug strips are: 5300-PST with phone-line suppression, 5300-PSC with CATV protection, 5300-IPS which features a strong extruded aluminum housing for exceptional ruggedness in high-abuse application environments, and the 5300-HPS which is equipped with UL listed Hospital Grade plug, receptacles, and provides less than 100µA leakage current per UL544. Each of these is described in greater detail in the text that follows. The Cat. No. 5300 group of Plug-Strip Surge Protective Devices offers a full-cycle-tracking clamping profile that closely follows the AC sine-wave contour and delivers extremely precise attenuation of noise and transient voltage surges regardless of polarity or phase angle. The 5300 group Plug-Strip units are the preferred choice for equipment requiring the very highest protection levels, and for critical data-sensitive applications.





**Catalog No. 5300-PST** is equipped with an RJ11 interface for telephone-line transient voltage surge suppression to protect faxes, modems or telephones that are used in proximity to the other equipment plugged into it. In addition to being UL Listed as a Transient Voltage Surge Suppressor, it is also UL497A listed as a Telephone Line Surge Suppressor. Telephone line suppression characteristics are listed here. For AC-line performance, refer to the "5300 group" listings in the General Data and Clamping Performance charts.

<b>Cat. No. 5300-PST Telephone/Modem Line Transient Suppression Characteristics</b>	
<b>Specification</b>	<b>Performance</b>
Max. operating voltage	90V DC
Max.surge current	1.9kA @ 3.8kV
Clamping voltage 220V 1kA (8x20µs)	@2kV(1.2x50µs)



**Catalog No. 5300-PSC** is equipped with CATV Coax Type F interface for CATV voltage surge suppression to protect coaxial cable feeds to televisions, monitors or CATV systems equipment used in proximity to the other equipment plugged into it. In addition to being UL Listed as a Transient Voltage Surge Suppressor, it is also UL452 listed as a CATV Line Surge Suppressor. CATV line suppression characteristics are listed here. For AC-line performance, refer to the "5300 group" listings in the General Data and Clamping Performance charts.

<b>Cat. No. 5300-PSC CATV Line Transient Suppression Characteristics</b>	
<b>Specification</b>	<b>Performance</b>
Max. operating voltage	8V DC Line-Line
Clamping voltage 30V @2kV(1.2x50µs)	1kA(8x20µs)



**Catalog No. 5300-HPS** shares the performance features of the basic Cat. No. 5300-PS. In addition, this device is equipped with a UL Hospital Grade clear plug, and six protected outlets that comprise three of the cat. no. 8200 Hospital Grade duplex receptacles. The Cat. No. 5300-HPS combines outstanding surge suppression performance with outstanding mechanical and electrical reliability. Confirmed by rigorous UL Hospital Grade testing per UL 544 to verify electrical leakage current levels meet the standards for patient care equipment. If protection is lost, this unit continues to supply power to the load. This device is suitable not only for the demanding health-care environment, but also for any application where exceptional sturdiness and reliability are required along with high-performance transient voltage surge suppression.



**Catalog Nos. 5100-IPS and 5300-IPS** share the basic performance features of the 5100-PS and 5300-PS. They provide six protected outlets and are equipped with extremely rugged aluminum housings. These devices are designed for use in punishing high-abuse environments where added mechanical integrity is desirable. The Cat. No. 5100-IPS also features an audible alarm to indicate loss of protection status.

**Catalog No. 5100-IS2** is the same as the Cat. No. 5100-IPS, except it is equipped with six 20A-125V, NEMA 5-20R protected outlets.



**Catalog No. 5100-PS** is intended for general-duty protection, and features a non-inductive circuit design that can be used effectively with power-conditioning equipment including UPS, and isolating transformers.

**Features:**

- Covered by Lifetime Limited Downline Warranty
- Effective, multi-component suppression circuit design
- Real-time diagnostics monitor power and protection status
- If protection is lost, the unit must be replaced to restore protection, but continues to supply power to load
- On-board thermal fusing
- 5100-S15 is identical, but features 15-foot (4.57m) line cord
- Resettable circuit breaker
- Rated 15A 120V AC

**Catalog No. 5200-PS** provides excellent performance and EMI/RFI noise attenuation. It has a clamping envelope that tracks the AC sine-wave, and it's the all-round choice for microprocessor-based equipment.

**Features:**

- Covered by Lifetime Limited Downline Warranty
- Clamping profile tracks AC sine-wave
- Real-time diagnostics monitor power and suppression status
- If protection is lost, 5200-PS interrupts power to the protected load and cannot be reset to assure the load will not be operated while vulnerable to transient voltage surges
- On-board thermal fusing
- 5200-S15 is identical, but features 15-foot (4.57m) line cord
- Resettable circuit breaker
- Rated 15A 120V AC

### General Data

Specification	5100-PS, IPS & IS2	5200-PS	5300-PS, PST, PSC, HPS & IPS
Rated line voltage (VRMS)	120V	120V	120V
Load current	15A*	15A	15A
Max. continuous operating voltage	135V	135V	135V
Operating frequency range	50,60Hz	50,60Hz	50,60Hz
Circuit type	Multi-component	Multi-component, series	Staged multi-component, series

### Clamping Performance

\*5100-IS2 rated 20A

Specification	5100-PS	5200-PS	5300-PS Group
Max. single-pulse transient current (8x20µs, Amps peak)	26kA	39kA	52kA
Rated single-pulse transient energy (10x1000µs, Joules)	320 Joules	480 Joules	640 Joules
EMI/RFI noise rejection @50 Ohms 5kHz-100MHz	10-20dB	40-50dB	50-60dB
Cat. A ringwave (6kV, 200A, 100kHz)	370V	230V	190V
Cat. B ringwave (6kV, 500A, 100kHz)	420V	270V	210V
Cat. B impulse (6kV, 3kA, 8x20µs)	490V	370V	310V
UL 1449 ratings (8x20µs @ 3kA) (L-N / L-G / N-G)	330/500/400 330/500/330 for 5100-IPS only	330/400/330	330/330/330 400/400/400 for 5300-HPS ONLY

### Physical Specifications

Operating Temperature Range: -10°C to 60°C  
Storage Temperature Range: -35°C to 60°C  
5300-PS Dimensions (LxWxD): 382.5mm x 61.5mm x (33.3mm)

### Agency Approvals

UL Listed 1449 Standard, CSA Certified

**NOTE:** Basic Catalog Number denotes Computer Beige color device. Also available in Gray: Catalog Numbers 5100-GS, 5200-GS and 5300-GS.