6R / 8R Series | Product Information

ZeroSurge® Power Quality Filters

## Plug-in Point of Use Protection




## 100% Surge Protection, 0% Failure

Protecting electronics at the point-of-use is quick, convenient, and most effective. Using a patented dynamic clamp surge inversion system, Zero Surge's Spectrum WVR effectively senses and suppresses surges on your 120V power line even when the power is low at 85 Volts or high at 175 Volts and anywhere in between. This is especially beneficial when the voltage is variable and unpredictable, during brownout and blackout conditions, and when standby generators are used. Zero Surge's filter technology also conditions the power line by removing EMI and RFI disturbances which can disrupt data signals, cause electronic equipment to malfunction, and shorten the life expectancy.

Zero Surge's core technology has been certified for performance and endurance, in addition to safety. It was subjected to 1,000 worst case surges of 6,000 Volts/3,000 Amps in 30 second intervals without any resulting degradation or failure. There have been no reports of surge failures, no fires, and no recalls since Zero Surge began manufacturing in 1989.

**6R Series**—6 outlets (2 always on, 4 switched) and a 4 port USB receptacle with a switch activated port door (when opened delivers power; when closed, there is no current draw). Type A, Class 2.0 USB is ideal for Android® & Apple® products, digital readers, smart phones, wearables, tablets, MP3 players, GPS, and other USB powered products.

**8R Series**—8 outlets (2 always on, 6 switched). Various models available in 7.5A-20A capacity. Models with isolation and longer cords are also available. Ideal for A/V and IT applications.

Features:

- Built-in capacity matching, resettable circuit breaker
- Repeatedly suppresses worst case surges
- EMI/RFI Filtering
- No metal oxide varistors (non-MOV technology)
- Filter operates independent of ground line—can be used in ungrounded outlets
- Non-sacrificial—does not wear out or degrade
- Made in USA
- 10 year warranty
- No history of surge damage or product recalls
- X10 Compatible (will not block the signal)

| Model | Item # | Capacity | Input | Output | Cord Length / Plug |
|---|---|---|---|---|---|
| 6R15W-4USB | #002-00740 | 15A / 120V | NEMA 5-15P | NEMA 5-15R (x6)<br>4 Port, 5V DC, 5A USB, Type A, Class 2 | 6' Cord / Right Angle Plug |
| 8R7.5W | #002-00709 | 7.5A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 6' Cord / Right Angle Plug |
| 8R7.5W-TWR | #002-00710 | 7.5A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 6' Cord / Right Angle Plug |
| 8R15W | #002-00711 | 15A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 6' Cord / Right Angle Plug |
| 8R15W-TWR | #002-00712 | 15A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 6' Cord / Right Angle Plug |
| 8R15W-I | #002-00713 | 15A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 6' Cord / Right Angle Plug |
| 8R15W-L11 | #002-00715 | 15A / 120V | NEMA 5-15P | NEMA 5-15R (x8) | 11' Cord / Straight Plug |
| 8R20W | #002-00721 | 20A / 120V | NEMA 5-20P | NEMA 5-15R (x8) | 8' Cord / Straight Plug |

| Technical Specifications | 6R15W-4USB #002-00740 | 8R7.5W #002-00709 | 8R15W #002-00711 | 8R20W #002-00721 |
|---|---|---|---|---|
| **Current / Voltage Rating** | 15A / 120V | 7.5A / 120V | 15A / 120V | 20A / 120V |
| | *Wide Voltage Range (WVR) Technology operates over a voltage range of 85-175V. | | | |
| **Operating Temperature Range** | 0-40° C / 32-104° F | | | |
| **Technology / Mode** | Series Mode with Wide Voltage Range (WVR) Technology, Mode 1 applications, L-N (filter operates independent of ground line) | | | |
| **Agency Certifications** | ETL & cETL certified to UL 1283 5th Edition, UL 1363, CSA 22.2 No. 8-M1986 (File #3162119) | | | |
| **Limiters** | Series surge reactor current limiter; cascaded, auto-tracking dual polarity dynamic surge and noise sensing; bi-modal dynamic filtering. Parameters optimized for switch-mode power supply protection. | | | |
| **Dynamic Filtering Onset** | 172V nominal, 2V above peak line voltage (auto-tracking, WVR) | | | |
| **Max Surge Voltage Let-through** | 130V above peak line voltage @ 6,000V/3,000A for ANSI C62.41 Category B3/C1 Combination Wave | | | |
| **Max. Applied Pulse Voltage** | 6,000V (1.2 x 50 µs—ANSI C62.41 Combination Wave) | | | |
| **Max. Applied Pulse Current** | Does not apply due to internal current limiting. | | | |
| **Joule Rating** | No metal oxide varistors to wear out; therefore, not applicable to this technology. | | | |
| **Endurance Rating** | 1,000 worst case pulses: ANSI C62.41, Category B3/C1 pulses (6,000V/3,000A); >10,000 pulses @ 4,000V; >100,000 pulses @ 2,000V | | | |
| **Filter Slew Rate** | 5,000V/µs disturbance reduced to 35V/µs within AC power wave envelope; 10V/µs outside the power wave envelope | | | |
| **EMI / RFI Filter Response (50 ohm Rgen., load)** | Bi-directional, wave tracking — 3 dB @ 7 kHz; 25 dB @ 100 kHz; 38 dB @ 300 kHz | | | |
| **Enclosure** | Magnetic shielding steel, black powder coat finish | | | |
| **Weight** | 7 lbs | 6 lbs | 6 lbs | 6.5 lbs |
| **Dimensions** | 4" H x 9" W x 5" D | 4" H x 9" W x 4" D | 4" H x 9" W x 4" D | 4" H x 9" W x 4" D |
| **Option: 7.5A Tower Model** | **8R7.5W-TWR (#002-00710),** 9" H x 4" W x 4" D, all other specs same as 8R7.5W | | | |
| **Option: 15A Tower Model** | **8R15W-TWR (#002-00712),** 9" H x 4" W x 4" D, all other specs same as 8R15W | | | |
| **Option: 15A with isolated receptacles** | **8R15W-I (#002-00713),** 4 duplex receptacles are isolated from each other, all other specs same as 8R15W | | | |
| **Option: 15A with 11' Cord** | **8R15W-L11 (#002-00715),** 11' Cord, Straight Plug, 6.5 lbs, all other specs same as 8R15W | | | |

*L-N reversal can compromise any appliance's safety and performance. Check line wiring for hot/neutral reversal prior to connecting product.

Suggested applications: Office equipment, home theater and home electronics, IT equipment, A/V equipment, Internet of Things (IoT), and other sensitive electronics.

Made in USA

Intertek

MADE IN NEW JERSEY NJMEP

2016 NJBIA PROUD MEMBER

30TH ZeroSurge Power Quality Filters Anniversary est. 1989

*100% Surge Protection, 0% Failure • Are you Zero Surge protected?*

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