

## Isolator Series 120V 500W Isolation Transformer-Based Power Conditioner, 4 Outlets, TAA

MODEL NUMBER: IS500



### Highlights

- Complete line isolation, noise filtering and surge suppression is ideal for sensitive equipment
- 500 watts, 4 outlets, 6-ft. power cord
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Package Includes

- IS500 Isolation transformer system
- Instruction manual with warranty information

### Description

Isolator series isolation transformer-based power conditioners offer complete line isolation, continuous noise filtering and enhanced normal and common mode surge suppression. Internal low-impedance isolation transformer component with Faraday Shield offers 100% isolation from the input AC line. Secondary neutral to ground bonding eliminates common mode noise, providing an isolated ground reference for sensitive equipment and an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades. Removes EMI/RFI noise, utility switching transients, background spikes generated by other on-site loads and utility or related surge conditions. Additional surge suppression components placed at both the line input and transformer output combined with full line isolation offers continuous line filtering of a full range of power line noise in all modes. Continuous transformer filtering with no wearable parts uniquely reduces surges in the worst of power environments to harmless levels. Reduces 6000V IEEE C62.41 Cat A&B ring wave and combination wave test surges to only 0.5V common mode. Model IS500 offers 500W capacity with four widely spaced output receptacles, a six-foot power cord, circuit breaker overload protection and lighted power switch. Rugged all-metal unit housing ships ready for upright tower or wall-mount placement in industrial, medical, office or network environment.

### Features

- Isolator series isolation transformer-based power conditioners offer complete line isolation, continuous noise filtering and enhanced common mode surge suppression
- Supports combined loads up to 500 watts continuous/4.2A at 120V
- Isolation transformer with Faraday Shield offers 100% isolation from the input AC line
- Neutral to ground bonding at the secondary eliminates common mode noise and provides an isolated ground reference for sensitive equipment
- Isolation transformer design serves as an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, background spikes and power problems generated by other on-site loads, utility grid-switching and related surges
- Line isolation with additional surge suppression components offer continuous line filtering of a full range of power line noise in all modes
- Continuous transformer filtering with no wearable parts reduces surges in the worst of power environments to harmless levels
- Includes 4 widely-spaced NEMA5-15R output receptacles, 6 ft power cord, circuit breaker overload protection and lighted power switch
- Rugged all-metal housing ships ready for upright tower or wallmount installation



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## Specifications

| OVERVIEW                               |                                                            |
|----------------------------------------|------------------------------------------------------------|
| UPC Code                               | 037332070050                                               |
| Efficiency                             | 96%                                                        |
| Let-through Voltage (Combination Wave) | L-N: <130V L-G: <10V N-G: <0.5V IEEE C62.41 Cat. B         |
| Let-through Voltage (Ring Wave)        | L-N: <10V L-G: <10V N-G: <0.5V IEEE C62.41 Cat. A          |
| Nominal Voltage / Frequency            | 120V / 60Hz                                                |
| Surge Test Conditions                  | Per ANSI/IEEE C62.41 - (IEEE587) Cat. A & B test waveforms |
| VA / Watt Capacity                     | 500                                                        |
| Suppression Joule Rating               | 680                                                        |
| Transformer Type                       | Low Impedence Isolation Transformer                        |
| INPUT                                  |                                                            |
| Input Plug Type                        | NEMA 5-15P                                                 |
| Total Harmonic Distortion              | less than 1%                                               |
| Input Cord Length (ft.)                | 6                                                          |
| Input Cord Length (m)                  | 1.83                                                       |
| OUTPUT                                 |                                                            |
| Output Receptacles                     | (4) 5-15R                                                  |
| Output Amp Capacity                    | 4.2                                                        |
| SURGE / NOISE SUPPRESSION              |                                                            |
| Noise Suppression Rating               | 33-65 dB normal mode; > 80 dB common mode                  |
| PHYSICAL                               |                                                            |
| Cooling Method                         | Convection                                                 |
| Form Factors Supported                 | Tower                                                      |
| Shipping Dimensions (hwd / in.)        | 7.25 x 13.25 x 6.00                                        |
| Shipping Dimensions (hwd / cm)         | 18.42 x 33.66 x 15.24                                      |
| Shipping Weight (lbs.)                 | 23.60                                                      |
| Shipping Weight (kg)                   | 10.70                                                      |
| Unit Dimensions (hwd / in.)            | 5.500 x 6.250 x 8.500                                      |
| Unit Dimensions (hwd / cm)             | 13.97 x 15.88 x 21.59                                      |
| Unit Weight (lbs.)                     | 22.6                                                       |



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|                                     |                            |
|-------------------------------------|----------------------------|
| Unit Weight (kg)                    | 10.25                      |
| FEATURES & SPECIFICATIONS           |                            |
| Over Current Protection             | Yes, 4.5A circuit breaker  |
| STANDARDS & COMPLIANCE              |                            |
| Product Compliance                  | Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT                  |                            |
| Product Warranty Period (Worldwide) | 2-year limited warranty    |

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