



**Tripp Lite**  
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Please see below under Resources/Product Literature for the Power Cord Selector Worksheet for both input and output power cord selection.

## Isolator Series Dual-Voltage 115/230V 600W 60601-1 Medical-Grade Isolation Transformer, C14 Inlet, 6 C13 Outlets

MODEL NUMBER: IS600HGDV



Transformer with full CAN/ES/IEC/EN 60601-1 listing offers line isolation, step-up and step-down capabilities, and continuous noise filtering in protecting medical electronic equipment used in patient-care vicinities.

### Description

The IS600HGDV Isolator® Series Dual-Voltage 115/230V 600W 50/60Hz Medical-Grade™ Transformer with full CAN/ES/IEC/EN 60601-1 listing is ideal for protecting sensitive electronic equipment in patient-care vicinities. It can be configured for either step-up voltage, step-down voltage or pass-through voltage operation. Along with line isolation and continuous EMI/RFI line noise filtering, its surge protection rating of 240 joules suppresses excess voltage to prevent it from damaging connected equipment.

An internal low-impedance isolation transformer component offers 100% isolation from the input mains AC line. Faraday shield reduces the cumulative leakage current of the IS600HGDV and connected equipment to levels less than 50 microamps, while removing utility switching transients and harmonics generated by other on-site loads and reducing the impact of utility-related surge conditions.

Transformer filtering provides continuous common-mode noise rejection with no wearable parts. The IS600HGDV reduces 6000V IEEE 587 Category A and B ring wave and combination wave test surges to only 0.5V common mode.

Components connect to six C13 outlets with fuse overload protection and a lighted on/off switch. The rugged all-metal unit housing ships ready for placement in any industrial, medical, office, network or audio/video environment. Requires a C13 AC input cord with country specific plug (sold separately).

### Features

**Full CAN/ES/IEC/EN 60601-1 Medical-Grade Listing with C14 Inlet and 6 C13 Outlets** Ideal for protecting sensitive electronic equipment in patient-care vicinities Reduces cumulative leakage current of Isolator and connected equipment to levels less than 50  $\mu$ A Inexpensive alternative to dedicated circuits and site electrical upgrades Rugged all-metal housing designed to withstand frequent use in busy environments Requires a C13 AC input cord with country specific plug (sold separately).  
**Selectable 115/230V Input/Output Voltage Suitable for Most Applications** Step-up, step-down or pass-through voltage operation (input frequency always equals output frequency) Internal low-impedance

### Highlights

- Protects sensitive equipment from EMI/RFI line noise and surges
- Cumulative leakage current less than 50  $\mu$ A
- Automatically shuts down all outlets in case of overload
- Offers complete isolation from input AC mains power
- Ideal for use in any industrial, network or medical environment

### Package Includes

- IS600HGDV Isolator Series Dual-Voltage 115/230V 600W 60601-1 Medical-Grade Isolation Transformer
- (2) Fuse sets (115V and 230V operation)
- Input/output cable selector data sheet
- Owner's manual



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toroidal isolation transformer with Faraday shield offers 100% isolation from mains AC power line  
Automatically shuts down all outlets in case of overload  
Ships ready for placement in any industrial, medical, office, network or audio/video environment

**Protects Connected Equipment from Dangerous Spikes, Surges and Line Noise**  
Line isolation, continuous noise filtering and 240 joules of AC surge protection  
Removes EMI/RFI noise, utility switching transients, load-generated harmonics and ground loops  
Floating AC output prevents noise coupling from noisy ground circuits  
Reduces 6000V IEEE 587 Category A and B ring wave and combination wave test surges to only 0.5V common mode

## Specifications

| OVERVIEW                              |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| UPC Code                              | 037332200006                                                                                                          |
| Efficiency                            | 96%                                                                                                                   |
| Nominal Voltage / Frequency           | 115/230 VAC 50/60 HZ (Voltage Selected by Input Power Module Fuse Installation)                                       |
| Over Current Protection               | 2 X 6A @ 115V and 2 X 3.15A at 230V ( Both Fuses included with Product as Accesories)                                 |
| VA / Watt Capacity                    | 600                                                                                                                   |
| Transformer Type                      | Medical Grade, Low Impedence Toroid- Line Isolation (Pass Through or Step UP or Step Down)                            |
| INPUT                                 |                                                                                                                       |
| Nominal Input Voltage Description     | 115/230 VAC (Selected by Input Power Module Fuse Installation) Operating Input Voltage Range 100-125Vac or 200-250VAC |
| Input Frequency                       | 50/60HZ                                                                                                               |
| Maximum Surge Amps                    | 70A                                                                                                                   |
| Input Current                         | 6A @ 115V / 3.15A @ 230V                                                                                              |
| THDi                                  | Less than 1%                                                                                                          |
| Power Input Receptacle                | IEC-320-C14                                                                                                           |
| OUTPUT                                |                                                                                                                       |
| Output Voltage Regulation (Line Mode) | 4.1%                                                                                                                  |
| Output Receptacle Details             | IEC320-C13                                                                                                            |
| Output (VA)                           | 600                                                                                                                   |
| Output (Watts)                        | 600                                                                                                                   |
| Output Receptacles                    | (6) C13                                                                                                               |
| Output Nominal Voltage                | 115V/230V (Selected by Output Switch) Can also be step up or step down, Selected when Installing Fuses.               |
| SURGE / NOISE SUPPRESSION             |                                                                                                                       |
| AC Suppression Joule Rating           | 240                                                                                                                   |
| IEEE587 Cat. A Ringwave Let-Through   | Reduced to 0.5v Common Mode                                                                                           |



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|                                     |                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise Suppression Rating            | 35-65db                                                                                                                                                                                   |
| <b>ISOLATION</b>                    |                                                                                                                                                                                           |
| Output Isolation Transformer        | Toroid with AC output Floating with Respect to Earth Ground. Includes POAG and Earth Ground Stud.                                                                                         |
| Leakage Current                     | Max AC Leakage Current 50 (uA)                                                                                                                                                            |
| <b>PHYSICAL</b>                     |                                                                                                                                                                                           |
| Color                               | White                                                                                                                                                                                     |
| Cooling Method                      | Convection                                                                                                                                                                                |
| Material of Construction            | Metal (Cabinet)                                                                                                                                                                           |
| Shipping Dimensions (hwd / cm)      | 23.01 x 32.51 x 37.01                                                                                                                                                                     |
| Shipping Dimensions (hwd / in.)     | 9.06 x 12.80 x 14.57                                                                                                                                                                      |
| Shipping Weight (kg)                | 10.08                                                                                                                                                                                     |
| Shipping Weight (lbs.)              | 22.22                                                                                                                                                                                     |
| Unit Dimensions (hwd / cm)          | 11 x 20 x 25                                                                                                                                                                              |
| Unit Dimensions (hwd / in.)         | 4.33 x 7.87 x 9.84                                                                                                                                                                        |
| Unit Weight (kg)                    | 9.24                                                                                                                                                                                      |
| Unit Weight (lbs.)                  | 20.38                                                                                                                                                                                     |
| <b>ENVIRONMENTAL</b>                |                                                                                                                                                                                           |
| Operating Temperature Range         | 0 C-40 C(32F to 104F), Intended Application is in a controlled environment at approx. 25 C.                                                                                               |
| Storage Temperature Range           | -15 C to 50 C (5F to 122F)                                                                                                                                                                |
| Operating Elevation (m)             | 0-3000M (0-10,000 Ft)                                                                                                                                                                     |
| Operating Humidity Range            | 5% to 95% RH (Non-Condensing)                                                                                                                                                             |
| <b>OPERATION</b>                    |                                                                                                                                                                                           |
| System Type Selections              | Input Voltage equals Output Voltage OR 120V input equals 230V output OR 230V Input equals 120V output - (Selectable when installing Fuses) Input Frequency always equals Output Frequency |
| <b>STANDARDS &amp; COMPLIANCE</b>   |                                                                                                                                                                                           |
| Certifications                      | Tested to ANSI/AAMI ES60601-1:2005+A2+A1, IEC60601-1 3RD EDITION +A1, cAN/CSA-C22.2 NO. 60601-1:14, CE, NOM                                                                               |
| <b>WARRANTY</b>                     |                                                                                                                                                                                           |
| Product Warranty Period (Worldwide) | 2-year limited warranty                                                                                                                                                                   |

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