# TRIPP-LITE

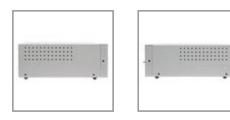
Please see below under **Resources > Product Literature** for the Power Cord Selector Worksheet for both input and output power cord selection.

### Isolator Series Dual-Voltage 115/230V 1800W 60601-1 Medical-Grade Isolation Transformer, C20 Inlet, 8 C13 Outlets

### MODEL NUMBER: IS1800HGDV







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 IS1800HGDV Isolator® Series Dual-Voltage 115/230V 1800W 50/60Hz Medical-Grade<sup>™</sup> 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 IS1800HGDV and connected equipment to levels less than 100 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 IS1800HGDV reduces 6000V IEEE 587 Category A and B ring wave and combination wave test surges to only 0.5V common mode.

Components connect to eight 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 C19 AC input cord with country specific plug (sold separately).

#### Features

**Full CAN/ES/IEC/EN 60601-1 Medical-Grade Listing with C20 Inlet and 8 C13 Outlets**Ideal for protecting sensitive electronic equipment in patient-care vicinitiesReduces cumulative leakage current of Isolator and connected equipment to levels less than 100 µAInexpensive alternative to dedicated circuits and site electrical upgradesRugged all-metal housing designed to withstand frequent use in busy environmentsRequires a C19 AC input cord with country specific plug (sold separately).

Selectable 115/230V Input/Output Voltage Suitable for Most ApplicationsStep-up, step-down or pass-

#### Highlights

- Protects sensitive equipment from EMI/RFI line noise and surges
- Cumulative leakage current less than 100  $\mu A$
- 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

- IS1800HGDV Isolator Series Dual-Voltage 115/230V 1800W 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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through voltage operation (input frequency always equals output frequency)Internal low-impedance toroidal isolation transformer with Faraday shield offers 100% isolation from mains AC power lineAutomatically shuts down all outlets in case of overloadShips ready for placement in any industrial, medical, office, network or audio/video environment

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

## **Specifications**

OVERVIEW	
UPC Code	037332200037
Efficiency	96%
Nominal Voltage / Frequency	115/230 VAC 50/60 HZ (Voltage Selected by Input Power Module Fuse Installation
VA / Watt Capacity	1800
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	100A
Input Current	15A @ 115V / 8A @ 230V
THDi	Less than 1%
Power Input Receptacle	IEC-320-C20
OUTPUT	
Output Voltage Regulation (Line Mode)	3.6%
Output Receptacles	(8) C13
Output Nominal Voltage	115V/230V (Selected by Output Switch) Can also be step up or step down, Selected when Installing Fuses.
ISOLATION	
Output Isolation Transformer	Toroid with AC output Floating with Respect to Earth Ground
Leakage Current	Max AC Leakage Current 80 (uA)
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	240



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IEEE587 Cat. A Ringwave Let- Through	Reduced to 0.5v Common Mode	
Noise Suppression Rating	35-65 dB	
PHYSICAL		
Color	White	
Material of Construction	Metal (Cabinet)	
Cooling Method	Convection	
Shipping Dimensions (hwd / in.)	11.02 x 17.52 x 19.69	
Shipping Dimensions (hwd / cm)	27.99 x 44.50 x 50.01	
Shipping Weight (lbs.)	51.21	
Shipping Weight (kg)	23.23	
Unit Dimensions (hwd / in.)	5.510 x 11.810 x 13.780	
Unit Dimensions (hwd / cm)	14 x 30 x 35	
Unit Weight (lbs.)	51.21	
Unit Weight (kg)	23.23	
ENVIRONMENTAL		
Operating Temperature Range	32° to 104°F (0° to 40°C), Intended Application is in a controlled environment at approx. 77°F.	
Storage Temperature Range	5° to 122°F (-15° to 50°C)	
Operating Elevation (m)	Up to 3000m	
Operating Humidity Range	5% to 95% RH (Non-Condensing)	
FEATURES & SPECIFICATIONS		
Over Current Protection	2 x 15A @ 115V and 2 x 8A at 230V (Both Fuses included with Product as Accesories)	
OPERATION		
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	
STANDARDS & COMPLIANCE		
Product Certifications	IEC 60601-1; CAN/CSA-C22.2 No. 60601-1 (Canada); NOM (Mexico)	
Product Compliance	RoHS; CE (Europe)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	2-year limited warranty	



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