Important Note

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 1000W 60601-1 Medical-Grade Isolation Transformer, C14 Inlet, 8 C13 Outlets, TAA

MODEL NUMBER: **IS1000HGDV**







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 IS1000HGDV Isolator® Series Dual-Voltage 115/230V 1000W 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 IS1000HGDV and connected equipment to levels less than 80 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 IS1000HGDV 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 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 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 80 µAInexpensive alternative to dedicated circuits and site electrical upgradesRugged all-metal housing designed to withstand frequent use in busy environmentsRequires a C13 AC input cord with country specific plug (sold separately)

Highlights

- Protects sensitive equipment from EMI/RFI line noise and surges
- Cumulative leakage current less than 80 µA
- 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

- IS1000HGDV Isolator Series Dual-Voltage 115/230V 1000W 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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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 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 Noise Line 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	037332200020
Efficiency	96%
Nominal Voltage / Frequency	115/230 VAC 50/60 HZ (Voltage Selected by Input Power Module Fuse Installation
VA / Watt Capacity	1000
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	10A @ 115V / 5A @ 230V
THDi	Less than 1%
Power Input Receptacle	IEC-320-C14
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	Compatible with Eaton Tripp Lite Power Cords
Output (Watts)	1000
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.
Output Amp Capacity	8.7@ 115V/ 4.3@230V
ISOLATION	
Output Isolation Transformer	Toroid with AC output Floating with Respect to Earth Ground. POAG Connector and Earth Ground Stud.
Leakage Current	Max AC Leakage Current 80 (uA)
SURGE / NOISE SUPPRESSION	

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AC Suppression Joule Rating	240
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.)	10.24 x 14.96 x 17.13
Shipping Dimensions (hwd / cm)	26.01 x 38.00 x 43.51
Shipping Weight (lbs.)	32.32
Shipping Weight (kg)	14.66
Unit Dimensions (hwd / in.)	5.130 x 9.840 x 11.810
Unit Dimensions (hwd / cm)	13,03 x 24,99 x 30,00
Unit Weight (lbs.)	30.25
Unit Weight (kg)	13.72
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	0-10000 ft. (0-3000 m)
Operating Humidity Range	5% to 95% RH (Non-Condensing)
FEATURES & SPECIFICATIONS	
Over Current Protection	2 x 10A @ 115V and 2 x 5A 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); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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