

Isolator Series 120V 500W UL 60601-1 Medical-Grade Isolation Transformer with 4 Hospital-Grade Outlets

MODEL NUMBER: IS500HG



Highlights

- Complete line isolation & noise filtering
- Hospital-grade plug and receptacles
- Lowers cumulative leakage current of connected equipment to under 100 A
- Floating AC output prevents noise coupling
- TAA-compliant

Package Includes

- IS500HG Isolation Transformer
- Instruction manual with warranty information

Description

Isolator Series UL 60601-1 Listed Medical-Grade Isolation Transformers offer line isolation and continuous noise filtering. An internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator medical-grade transformers ideal for protecting sensitive electronic equipment in patient-care areas. Faraday shield reduces the cumulative leakage current of the Isolator and connected equipment to levels less than 100 microamps. Removes EMI/RFI noise, utility switching transients and harmonics generated by other on-site loads. Reduces impact of utility-related surge conditions. Transformer filtering provides continuous common-mode noise rejection with no wearable parts. Reduces 6000V IEEE587 Category A & B ring wave and combination wave test surges to only 0.5V common mode. Includes four widely spaced NEMA 5-15R hospital-grade output receptacles, 10-ft. (3.05 m) power cord, hospital-grade input plug, circuit breaker overload protection, lighted power switch and rugged all-metal housing. Ships ready for placement in any industrial, medical, office or network environment. PLUG/OUTLETS: Input - NEMA 5-15P Hospital Grade; Output - 4 NEMA 5-15R Hospital Grade ELECTRICAL: 120V AC, 60 Hz, 4.2A (requires NEMA 5-15R wall receptacle).

Features

- Offers line isolation and continuous noise filtering
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles for the protection of sensitive electronic equipment in patient-care areas
- Reduces cumulative leakage current of the Isolator and connected equipment to levels less than 100 A
- Floating AC output prevents noise coupling from noisy hospital ground circuits
- Inexpensive alternative to dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load-generated harmonics and ground loops
- Transformer filtering offers continuous common-mode noise rejection with no wearable parts
- Reduces 6000V IEEE587 Cat A & B ring wave and combination wave test surges to only 0.5V common



mode

- Includes 4 widely spaced NEMA 5-15R hospital-grade output receptacles, 10-ft. (3.05 m) power cord, hospital-grade input plug, circuit breaker overload protection, lighted power switch and rugged all-metal unit housing
- Ships ready for upright tower placement in any industrial, medical, office or network environment

Specifications

OVERVIEW	
UPC Code	037332115898
Efficiency	96%
Let-through Voltage (Combination Wave)	L-N: 250V L-G: 250V N-G: 0.5V
Let-through Voltage (Ring Wave)	L-N: 20V L-G: 20V N-G: 0.5V
Nominal Voltage / Frequency	120 /60Hz
Over Current Protection	1 X THERMAL, 2 POLE, ROCKER
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	500
Transformer Type	Medical-grade, low impedance transformer-based line isolation transformer
INPUT	
Input Plug Type	NEMA 5-15P-HG
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Receptacles	(4) 5-15R-HG
Output Amp Capacity	4.2
SURGE / NOISE SUPPRESSION	
Noise Suppression Rating	35-65 DB
ISOLATION	
Leakage Current	Less than 100 microamps
PHYSICAL	
Cooling Method	Convection
Form Factors Supported	Tower



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Shipping Dimensions (hwd / cm)	21.59 x 22.86 x 29.21
Shipping Dimensions (hwd / in.)	8.50 x 9.00 x 11.50
Shipping Weight (kg)	10.52
Shipping Weight (lbs.)	23.20
Unit Dimensions (hwd / cm)	14.61 x 15.88 x 23.50
Unit Dimensions (hwd / in.)	5.75 x 6.25 x 9.25
STANDARDS & COMPLIANCE	
Certifications	Tested to UL60601-1
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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