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# Medical Grade Plug-In Line Isolation Transformers 178, 240, 289, 298 "MG"

Series

cULus and CSA Listed



### Features:

- Intended for non-patient connected indoor applications where protection of sensitive electronics is required:
  - High end audio / studio use
  - Medical electronics
  - High end test equipment / laboratory
- cULus Listed to UL 60601-1 (1<sup>st</sup> Edition) and CAN/CSA-C22.2 No. 601.1-M90 (R2005).
- Each unit provides complete line isolation and noise filtering plus utilizes a Faraday shield to reduce leakage currents below UL60601-1 requirements (under 100 microamps).
- Reduced noise coupling due to floating AC output.
- Not intended to be used to supply power to life support appliances.
  
- 3 different VA Capacities available - - 500VA, 1000VA, and 1800VA. All rated 50/60Hz.
- 4 different electrical configurations;
  - 120V-120V straight isolation ("178" series)
  - 240V-240V straight isolation ("240" series)
  - 240V-120V step down isolation ("289" series)
  - 120V-240V step up isolation ("298" series)
  
- Vented 14 gauge steel housing with white powder paint
- Hospital Grade 3-wire grounded Input Plug (see chart).
- 2 or 3 Duplex Hospital Grade Output Receptacles (see chart).
- On-Off Switch / Circuit Breaker combo protected, and built in automatic Thermal Cut Out for added protection.



### Gallery



### Straight Isolation (120 VAC to 120 VAC)

Part Number	Input VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug	Cord Style / Length	Receptacle Output	# of Duplex
178MG500	500	120 VAC	4.33 A	120 VAC	4.17 A	< 100 uA	93% (min)	5-15P	14/3 SJTW / 6ft.	Duplex 5-15R	2
178MG1000	1000	120 VAC	8.67 A	120 VAC	8.33 A	< 100 uA	95% (min)	5-15P	14/3 SJTW / 6ft.	Duplex 5-15R	2
178MG1800	1800	120 VAC	15.63 A	120 VAC	15.00 A	< 100 uA	96% (min)	5-20P	12/3 SJTW / 6ft.	Duplex 5-15R	3

### Straight Isolation (240 VAC to 240 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug	Cord Style / Length	Receptacle Output	# of Duplex
240MG500	500	240 VAC	2.17 A	240 VAC	2.08 A	< 100 uA	93% (min)	6-15P	14/3 SJTW / 6 ft.	Duplex 6-15R	2
240MG1000	1000	240 VAC	4.33 A	240 VAC	4.17 A	< 100 uA	95% (min)	6-15P	14/3 SJTW / 6 ft.'	Duplex 6-15R	2
240MG1800	1800	240 VAC	7.81 A	240 VAC	7.50 A	< 100 uA	96% (min)	6-15P	14/3 SJTW / 3 ft.	Duplex 6-15R	3

### Step-Down Isolation (240 VAC to 120 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug NEMA Type	Cord Style / Length	Output Receptacle	# of Duplex
289MG500	500	240 VAC	2.17 A	120 VAC	4.17 A	< 100 uA	93% (min)	6-15P	14/3 SJTW/ 6ft.	Duplex 5-15R	2
289MG1000	1000	240 VAC	4.33 A	120 VAC	8.33 A	< 100 uA	95% (min)	6-15P	14/3 SJTW/ 6ft.	Duplex 5-15R	2
289MG1800	1800	240 VAC	7.81 A	120 VAC	15.00 A	< 100 uA	96% (min)	6-15P	14/3 SJTW / 3ft.	Duplex 5-15R	3

### Step-Up Isolation (120 VAC to 240 VAC)

Part Number	VA	Input Voltage	Input Current	Output Voltage	Output Current	Leakage Current	Full Load Efficiency	Input Plug NEMA Type	Cord Style / Length	Output Receptacle	# of Duplex
298MG500	500	120 VAC	4.33 A	240 VAC	2.08 A	< 100 uA	93% (min)	5-15P	14/3 SJTW/ 6ft.	Duplex 6-15R	2
298MG1000	1000	120 VAC	8.67 A	240 VAC	4.17 A	< 100 uA	95% (min)	5-15P	14/3 SJTW/ 6ft.	Duplex 6-15R	2
298MG1800	1800	120 VAC	15.63 A	240 VAC	7.50 A	< 100 uA	96% (min)	5-20P	12/3 SJTW/ 6ft.	Duplex 6-15R	3

Tags: **medical grade, medical grade transformers, studio grade, low leakage, leakage,**

*Data subject to change without notice*

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