

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 (1st 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