

ILC

ILC Model	
1400-MED-8	
1400 W / VA	
120 V, 60 Hz	
11.7 A	
2000-MED-12	
2000 W / VA	
120 V, 60 Hz	
16.7 A	

Medical line conditioners

TSI Power's ILC MED series of hospital-grade isolation transformers are tested and listed to UL 60601-1, 3rd Edition. ILC-MED units are designed specifically for North American power distribution systems and are only available in 120 V, 60 Hz versions. They comply with the National Electrical Code provisions for safety of separately derived systems unlike dual voltage 120/230 V units that compromise performance due to the conflicting requirements of 230 V, 50 Hz power systems. The ILC-MED products meet all requirements for leakage current as stipulated by IEC 60601-1, 3rd Edition. In addition, ILC-MED provides coordinated surge protection and filtering of fast-rise-time voltages. Unlike dual voltage units, ILC-MED has an optional neutral-to-ground bond to provide a path for fault current from a connected load without the need for a GFCI circuit breaker.



ILC-2000-MED-12 shown

current limiting thermistors on the input. A two-pole filter and a metal oxide varistor provide coordinated surge protection which eliminates the need for additional surge protection. The isolation transformer reduces leakage current to levels below $100 \mu A$ for Normal Condition.

How ILC-MED works

ILC-MED consists of a low-inrush EI transformer that does not require



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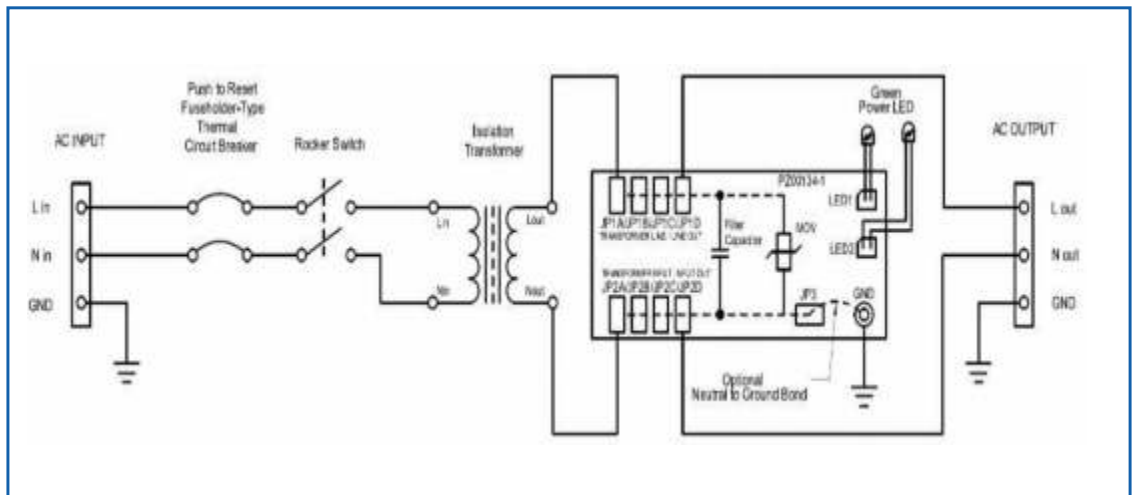
Features and Benefits

- Designed to North American standards. No compromises necessary to also accommodate IEC standards that conflict with the National Electric Code.
- Meets or exceeds 100 μA leakage current requirement for patient safety.
- Secondary neutral-to-ground bond provides path for fault current of connected equipment. No need to add GFCI circuit. Compliance with NEC.
- No embedded thermal devices in transformer. Less risk of failure.
- Thermal circuit breakers rather than inlets with fuses. No need to worry about replacing fuses.
- Designed for 120 V, 60 Hz only. No confusing setting input and output voltages.
- Low-inrush current EI transformer limits inrush current without the use of unreliable thermistors. Less risk of tripping upstream circuit breakers during power cycling.
- Coordinated surge protection and filtering eliminates need for inferior, external surge protectors. Improved system reliability decreases service calls.
- 8 / 12 outlets are standard. Provides maximum flexibility.
- IEC inlet and outlets are an available option.

Specification	ILC-1400-MED-8	ILC-2000-MED-12
Input		
Nominal voltage & frequency	120 V, 60 Hz	
Operating voltage	120 V	
Max current	15 A	20 A
6 ft. 5-15 hospital grade cord set	5-15P	5-20P
IEC C14 inlet	C14	C20
Circuit breaker, thermal push-to-reset type	250 V, 15A	250 V, 20 A
Surge voltage test condition	ANSI/IEEE: 6 kV, 1.2 x 50 μs/3 kA, 8 x 20 μs	
Surge voltage let-through	L-N: <450 V L-G: <10 V N-G: <10 V	
Output		
Output power	1400 W / VA	2000 W / VA
Nominal voltage	120 V	
Max current	11.7 A	16.7 A
Power efficiency	94 to 96%	
5-15 R/5-20R outlets (Standard)	Eight x 5-15R	Twelve x 5-20R
IEC C13: Option C	Eight x C13	Twelve x C13
Indicators and alarms		
Status indicators	Green LEDs front and back indicate unit is operational	
Physical		
Dimensions	Height: 7.3" / 185.4 mm Length: 10" / 254 mm Width: 9" / 228.6 mm	
Enclosure	Two-piece powder coated steel	
Weight lbs / kg	44 lbs / 19.96 kg	51 lbs / 23.13 kg
Mounting	To be placed on floor or flat surface	
Environmental		
Ambient temperature	32° to +104° F / 0° to +40° C	
Cooling method	Convection cooling	
Humidity	95% non-condensing	
Safety		
Leakage current	< 100 μA for Normal Condition	
Standards	Power supply for use in health care facilities. Conforms to AAMI ES 60601-1. Certified to CSA C22.2 NO. 60601-1. Intertek/ETL Report No: 101470838MIN-002 original issued 17-Jul-2014.	
Warranty		
Warranty	Five-year limited warranty, parts and labor	

TSI Power's ongoing product improvement process makes specifications subject to change. Other companies product names herein are for identification purposes only and may be trademarks of their

ILC-MED Series System Architecture



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