

ILC

Hospital grade

Medical isolation transformer

UL 60601-1 3rd Edition**ILC Model****500-MED-8****500 W/VA
120 V, 60 Hz
4.2 A****750-MED-8****750 W/VA
120 V, 60 Hz
6.25 A****1000-MED-8****1000 W/VA
120 V, 60 Hz
8.3 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 are designed specifically for North American power distribution systems and are only available in 120 V, 60 Hz versions. They comply with the National Electric Code provisions for safety of separately derived systems. They are designed specifically for 120 V, 60 Hz North American requirements unlike dual voltage 120/230 V units that compromise performance due to the conflicting requirements of 230 V, 50 Hz power systems.

ILC-MED products meet all requirements for leakage current as required by UL 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 a neutral-to-ground bond to provide a path for fault current from a connected load.

How ILC-MED works

ILC-MED consists of a low-inrush current EI transformer that does not require 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 μ A for Normal Condition.

Features and Benefits

- *Designed to North-American standards. No compromises necessary to also accommodate European standards that conflict with the National Electric Code.*
- *Meets or exceeds 100 μ A 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 imbedded thermal devices in transformer. Less risk of failure.*
- *Thermal circuit breakers rather than inlets with fuses. No need to worry about replacing fuses.*
- *Remote monitoring is provided through a DB9*
- *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.*
- *Eight outlets is standard. Provides maximum flexibility.*
- *NEMA or IEC outlets available. Fits all standard receptacles and plugs*

RECOGNIZED
COMPONENT

Intertek

**TSi POWER**

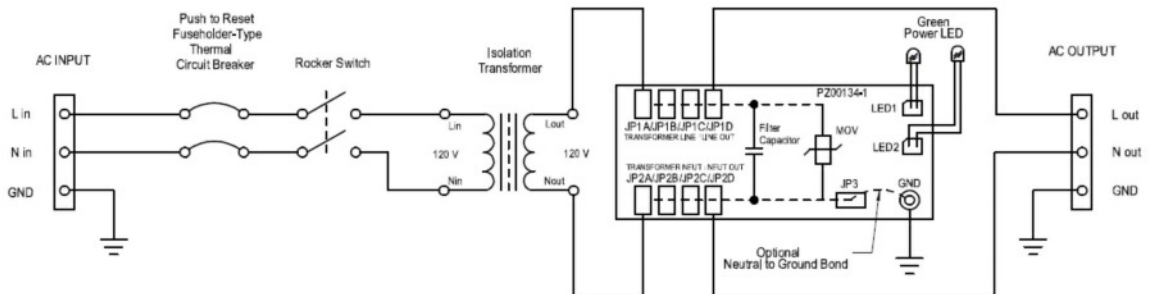
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Specification	ILC-500-MED-8	ILC-750-MED-8	ILC-1000-MED-8
Input			
Nominal voltage & frequency	120 V, 57 - 63 Hz		
Operating voltage	120 V		
Max current	5 A	7 A	10 A
Six foot 5-15 P hospital grade cord set	Standard		
IEC C14 inlet	Option C		
Circuit breaker, thermal push-to-reset type	250 V, 50/60 Hz, 5 A	250 V, 50/60 Hz, 7 A	250 V, 50/60 Hz, 10 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	500 W/VA	750 W/VA	1000 W/VA
Nominal voltage	120 V		
Max current	4.2 A	6.25 A	8.3 A
Power efficiency	94 to 96%		
Eight 5-15 R outlets	Standard		
Eight IEC C13 outlets	Option C		
Indicators and alarms			
Status indicators	Green LEDs front and back indicate unit is operational		
Physical			
Dimensions	Height: 5.5" / 139.7 mm Length: 9" / 228.6 mm Width: 7.5" / 190.5 mm		
Enclosure	Two-piece powder coated steel		
Weight lbs / kg	19 lbs / 8.63 kg	24 lbs / 10.9 kg	27 lbs / 12.26 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 / <60 μA for Any 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 Number: 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 respective companies.



ILC-500, 750, 1000-MED-8 system architecture



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