

## Isolation Transformer Voltage Converter

### User Instruction Manual



#### Isolation Transformers:

300VA, 600VA, 1000VA, 2000VA, 4000VA

#### Models:

**ISO-300ES, ISO-600ES, ISO-1000ES,  
 ISO-2000ES, ISO-4000-ES**



- All units are High Quality Toroidal Construction
- Input voltage 240V  $\pm$ 10% 50Hz. Australian flex and plug
- Output voltage nominal 240V Unregulated. All units are fully enclosed
- One Australian female chassis socket Output. Extra Outlets Optionally Available
- All units are double wound. Primary to Secondary fully Isolated
- Earthing is NOT carried to Outlet Socket, hence Isolated and Floating
- Incorporated soft start circuitry to eliminate inrush current problems during turn on available
- All enclosures are metal, with white powder

Thank-you for purchasing a TorTech IsolationTransformer!

#### Tortech Transformers maintain their power rating 24/7

Thermal cut-out and safety fuse included for your Protection.

This transformer is used to decouple two circuits, with the transformer coil windings designed for an input/output voltage of 240/240V.

#### **Operating Instructions - Please read this manual:**

- Plug this transformer into your Australia mains power outlet. Connect your appliance to the outlet sockets. Switch on the transformer and you are ready to go! When not in use turn off transformer switch (if included).
- Please ensure the required wattage of your appliance is less than the transformers rated capacity.
- If your transformer has multiple outlets (or using with power board ) please ensure the simultaneous power use of all connected devices not exceed the power rating of the transformer.

#### **Storage and use:**

- **Note: Transformer is designed for INSIDE use only NOT outdoors.**
- **Please ensure the transformer is placed in a dry and well ventilated area at all times with 10 cm of space around ventilation grills.**
- **Do not cover ventilation grills on the side or top of unit.**
- Do not expose to direct sunlight or direct high heat
- Keep out of reach of children
- Keep away from water, moisture, liquids or oils or flammable substances.



## Warranty:

All Tortech transformers come with a 1 year warranty. Please keep your invoice with date of purchase as proof of warranty. No serviceable parts inside the unit. Opening or misuse will void warranty. Return for authorised servicing.

**Overloading:** Fuses in the transformer will “blow” if you draw more current than what the transformer can provide. They are part of the inbuilt safety protection of our transformers. If you keep blowing a fuse repeatedly after first purchase you may have the wrong transformer, please call us to check your device and transformer rating.

## Fuse replacements:

**All our Isolation transformers come with 2 spare fuses in the original package. Please put the fuses aside when you first open box.**

## How do it know fuse is blown?

If your transformer has a Led Light on the switch and if this light does not come on when transformer is turned on this is an indication the fuse has blown.

## HOW TO REPLACE THE FUSE:

**Video:** <http://www.tortech.com.au/fuses/>

- 1) Turn off the power at the 240v power point and **unplug the lead from the power point.**
- 2) Unscrew the fuse Holder
- 3) **Turn it anti-clockwise until the fuse "pops out"**
- 4) Remove the fuse holder plus the fuse
- 5) Check if that the fuse is intact : *Look at the removed fuse in the light and if the inside filament is broken or the glass is browned out then the fuse is blown.*
- 6) Put a new fuse in the holder
- 7) Push back into the fuse main body
- 8) **Turn the fuse holder clockwise** until its locked in
- 9) Plug in the lead into the power point.
- 10) Turn the power on at the 240v outlet



## Replacement fuses

Fuses are selected based on your model and rating.  
Fuses can be purchased from Tortech.

PART NUMBER	RATING
ISO-300ES	3.15A Fuse SEC
ISO-600ES	5.00A Fuse SEC
ISO-1000ES	10.0A Fuse
ISO-2000ES	10.0A Fuse

## Safety Compliance Approvals:

RCM tick of approval demonstrates Tortech Pty Ltd's commitment to mandatory Australian Electrical Safety EESS Legislation



**Tortech Pty Ltd**

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