

Step Up Transformer Voltage Converter

User Instruction Manual



Step Up Transformers:

100W, 300W, 500W, 1000W, 2000W

Models:

SUA110-100

SUA110-300

SUA110-500

SUA110-1000

SUA110-2000



- USA to Australian Voltage Converter – Run your Aussie Equipment in America!
- Converts voltage up from 110/120V USA to 240V Australian
- Fully enclosed unit with a white powder coated finish (300W and above)
- Safety fuse protection (300W and above)
- Auto transformer construction
- 1 power outlet (100W and above)

Thank-you for purchasing a TorTech step up transformer

Tortech Transformers maintain their power rating 24/7

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

This transformer allows you to operate your Australian 240 Volts rated appliance in the American 110/120 Volts power mains supply.

Operating Instructions - Please read this manual:

- Plug this transformer into your USA 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.
- **Note:** The USA input power maximum that is available is 15 amps. This means $15A \times 120v = 1800$ Watts is the highest wattage that can be operate on the American wall socket outlets.

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 Step up transformers come with 2 spare fuses in the original package. Please put the fuses aside when you first open box.

How do I know if the 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.

Auto USA models	
SUA-100A	0.63A Fuse
SUA-300A	2A Fuse
SUA-500A	3A Fuse
SUA-1010A	5A Fuse
SUA-2000A	10A 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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