

## European step down Transformer Voltage Converter

### User Instruction Manual



#### European step down Transformers:

300W, 1200W, 2400W

#### **Models:**

A300/240/220E

AE-1200-220T

AE-2400-220T

- Converts voltage down from 240V to 220V European/Asian
- Will power most small devices/electronic chargers e.g. mobile phones, laptops, printers (ink jet type) and pre-amps.
- Fully enclosed unit with a white powder coated finish
- Input: 240V 50Hz Fused, comes with AUSTRALIAN Style 3-Pin Power Cord 1.8m Long. (Normal Power Cord)
- Safety fuse protection (**300W and above**)
- Auto transformer construction
- Will allow you to run Overseas Equipment here in Australia on our 240V AC Power.

Thank-you for Purchasing a TorTech step down transformer

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

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



The Economy European Step Down transformer is designed to operate your European or Asian 220/230 Volts rated appliance in Australia on the Australian 240 Volts power mains supply..

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

- Plug this transformer into your 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.
- The Step-Down Unit will work on our 50Hz Frequency power supply, but will not change it
- Please check your product will work with 50Hz if it is a 60Hz unit. In most cases this will not be an issue
- The unit can even be used to help with Over-Voltage Problems in areas with High Mains Power
- It can accept Inputs of 250-260V, and bring it down to 230-240V (i.e. a reduction of 20Volts)
- 220V – 230V is found in Europe and some Asian countries
- Please Note: If using with European equipment, you may need a European adapter to plug your European device into our transformer. We unfortunately do not currently stock this item, and must be purchased separately.

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

#### How do I 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.

Model	Fuse required
A300/240/220E	1A
AE-1200-220T	6.3A
AE-2400-220T	10A

#### Safety Compliance Approvals:

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



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