Transformer Purchase Guide

The information provided here will help you in selecting the right transformer for your device. Electrical voltage in USA is 110 volt whereas; the voltage in most of the foreign countries is 220V to 240 volt. A voltage converter / transformer, also known as power converter are used to convert electricity coming out of the wall to match the voltage of your device. These Voltage transformers or converters can be used safely with Refrigerators, Microwaves, Juicers, Blenders, Coffee makers, Power Tools, Stereo Systems, TV's, Video Games, DVDs, Hair dryers, Chargers, computers and other electronics when travelling abroad..

How do I know if I need a Step UP or a Step Down Voltage Converter or a Transformer?

When you travel from a 110 volt country with your 110 volt devices to a 220 volt country(like Europe, Africa Asia etc), You will need a **Step DownTransformer** or a Converter.
And if you travel from a 220 volt country(Europe/Asia) to a 110 volt country like USA, you will need a **Step UP Transformer** or a Converter.
Also, there are **Step UP/Down Transformers** and converters available that work both as Step Up and Step Down. You will find a wide variety of Step Up/down Transformers and converters on our website ranging from 50 Watt to 20,000 Watts. These transformers enable the use of your electric devices anywhere in the world.

Remember to leave at least a 100% margin for power surges/spike when buying a transformer. Some items, such as Televisions, computer monitors spike when you turn them on. For these products you need to buy a voltage converter transformer that is at least 3 times the items capacity. Power tools, laser printers and heating appliances like coffee makers, toasters, microwaves, lasers, Halogen, Fluorescent bulbs you must leave a margin of 4 times. It doesn't hurt to buy a transformer that is rated much higher than listed watts on your device.

Voltage transformers are made to convert single phase 110 or 220 volt. American 220 Volt consists of 2 phase of 110 Volt and European 220 Volt consists of 1 phase of 220 volt.

Volts x Amps = Watts (i.e. 110V x 0.5 AMPS = 55W). Please make sure not to run any appliance with higher wattage then voltage transformer's wattage. This might damage both: your appliance and the transformer!