



# VOLTAGE & ELECTRICAL KNOWLEDGE

While Living in Greece

TYPE DD-6

MODEL 8DD6V7255  
NO. 1117435

MP 75996

— VOLTS ON INST.  
TERMINALS— ON SCALE  
RESISTOR —

# VOLTAGE DIFFERENCES

**VOLTAGE IN GREECE = 220-240V**

**VOLTAGE IN USA = 110-120V**

**ALWAYS CHECK THE APPLIANCE BEFORE YOU PLUG IT IN**

The big difference between electricity in the United States and the electricity in Greece is with the voltage. Voltage in Greece is provided at 220-240V as opposed to the 110-120V provided in the United States.

# Transformer vs. Adapter

## Step-Down Transformer



Using a step-down transformer will provide conversion to 110-120V electricity from 220-240V outlets.

# Transformer vs. Adapter

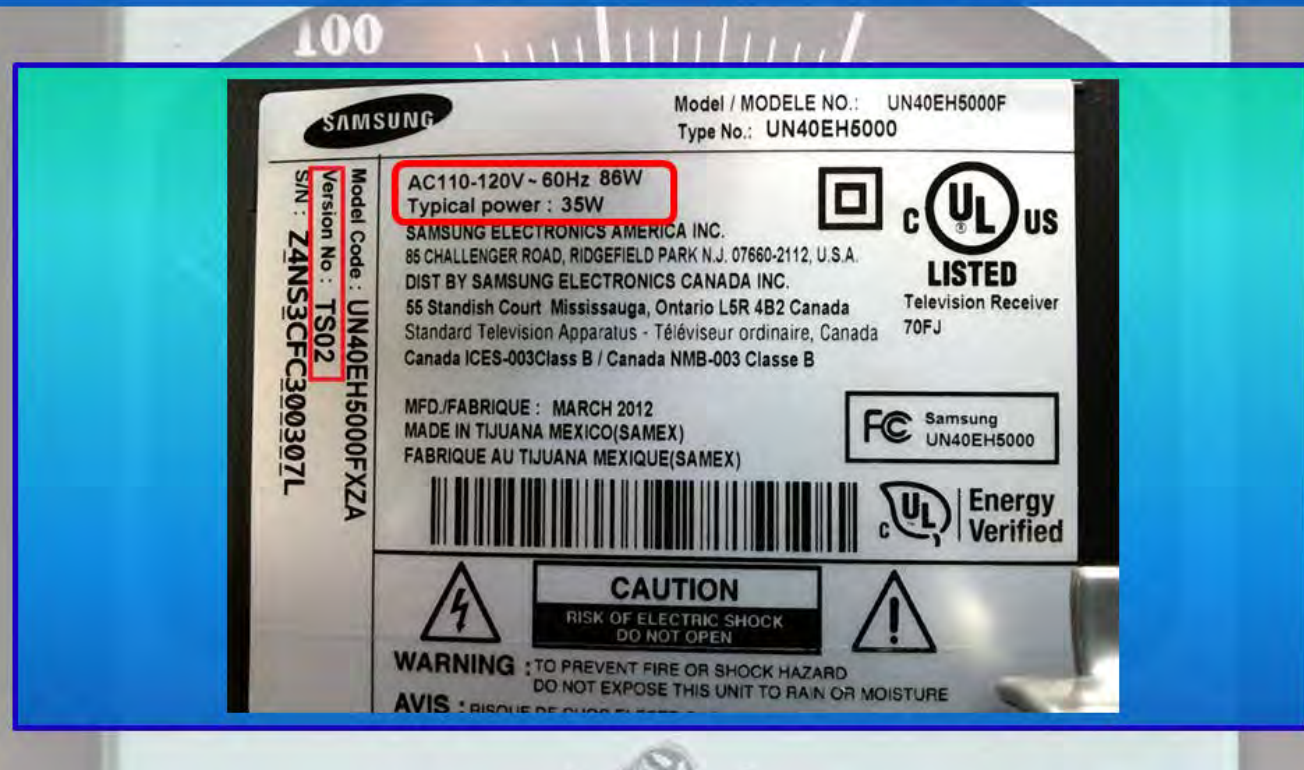
## European Plug Adapters



European plug adapters WILL NOT convert the voltage; they simply allow you to plug in an American style power prong into a European outlet.

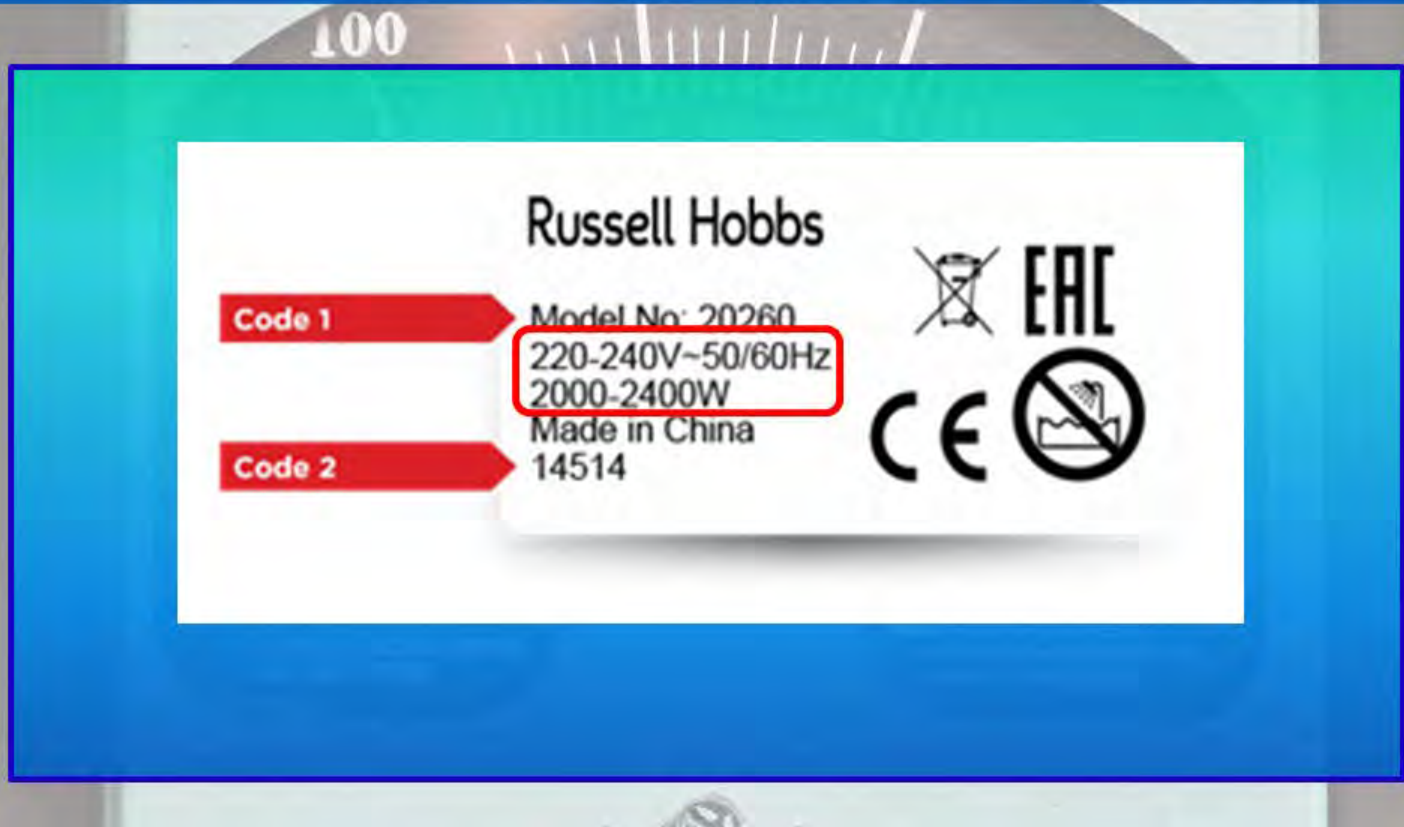
# 110-120V ~60Hz

## CAN ONLY BE USED WITH A STEP DOWN TRANSFORMER



In order to determine what type of electricity your appliance needs, you will need to look at the label typically on the back or bottom of most items. If the power listed only shows 110-120V power, you MUST use a step-down transformer. You will also want to take note of the wattage requirement (signified with a W and shown as 86 watts on the image above). The step-down transformer you use will need to be rated at or above the wattage requirement for your appliance. A typical transformer for the above appliance would likely be rated at 100 watts.

**220-240V ~50/60Hz**  
**CAN BE PLUGGED DIRECTLY INTO A GREEK OUTLET**



All 220-240V marked appliances can be plugged into any standard 220V outlet here in Greece. These types of appliances would not generally work in the United States, unless you had a Step-Up transformer that transforms power from a lower voltage to a higher voltage.

# 100-240V ~50/60Hz

CAN BE USED IN A GREEK OUTLET WITH A EUROPEAN PLUG ADAPTER



All appliances marked as 100-240V can be plugged directly into any 220V outlet here in Greece; however, depending on the plug type, you may need to use a European plug adapter.

# Additional Notes

- Some devices require specific frequencies in addition to voltage and won't properly work when used with a transformer (i.e. hair clippers, clocks\*, etc.).
- If you are unsure, **ASK SOMEONE** before plugging your appliance in. Plugging a device in with the wrong voltage will ruin your appliance and could cause an electrical fire.
- Transformers use the full wattage they are rated at when turned on and can result in a significant increase in your electricity bill. It is best to only turn them on when needed.

\* While clocks can be plugged into transformers, you will likely see the time become out of sync over a period of time.