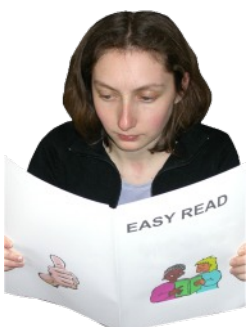




**How much electricity am I using?**



EasyRead version



Appliances are things in your home that use electricity.



Some appliances use a lot of electricity and some use a little.

The amount of electricity an appliance uses is called the power rating.

We measure the power rating in watts or kilowatts. These are written as W for watts and kW for kilowatts.



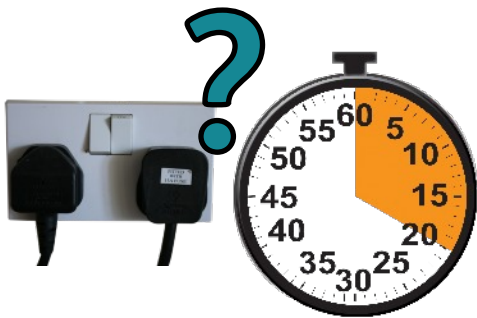
Appliances that use a lot of electricity include hot tubs, electric fires and tumble dryers.

**They have moving parts and produce heat.**



Appliances that produce light or sound do not use as much electricity.

These include digital clocks and phone chargers.



The amount of electricity an appliance uses depends on its power rating and how long it is on for.



For example, a fridge has low power rating. But it runs all the time.



A hairdryer has high power rating and uses a lot of electricity. But you do not run it all day.

The tables on the next pages show you the cost per hour of running other appliances.

These costs are based on you paying 34p for each kW.

**These appliances use a lot of electricity so try use them less.**

|   | <b>Appliance<br/>(with typical power<br/>rating*)</b> | <b>Cost<br/>per<br/>hour**</b> | <b>Cost<br/>per 10<br/>mins</b> |
|---|---|--------------------------------|---------------------------------|
|    | Electric shower<br>(9000 W)                           | £3.06                          | 51p                             |
|  | Immersion heater<br>(3000 W)                          | £1.02                          |                                 |
|  | Kettle<br>(3000 W)                                    |                                | 17p                             |
|  | Tumble dryer<br>(2500 W)                              | 85p                            | 14p                             |
|  | Electric heaters<br>(2500 W)                          | 85p                            | 14p                             |

**These appliances use a lot of electricity so try use them less.**




|   | <b>Appliance<br/>(with typical power<br/>rating*)</b> | <b>Cost<br/>per hour**</b> | <b>Cost<br/>per 10<br/>mins</b> |
|---|---|----------------------------|---------------------------------|
|     | Oven<br>(1200 W)                                      | 71p                        |                                 |
|    | Washing machine<br>(2100 W)                           | 71p                        |                                 |
|  | Oil-filled radiator<br>(2000 W)                       | 68p                        | 11p                             |
|  | Hairdryer<br>(2000 W)                                 |                            | 11p                             |
|  | Hob<br>(2000 W)                                       | 61p                        | 11p                             |
|  | Grill<br>(1500 W)                                     | 51p                        | 9p                              |

These appliances use a lot of electricity so try use them less.

|   | Appliance<br>(with typical power rating*) | Cost<br>per hour** | Cost<br>per 10<br>mins |
|---|---|--------------------|------------------------|
|    | Iron<br>(1500 W)                          | 51p                | 9p                     |
|    | Toaster<br>(1000 W)                       |                    | 6p                     |
|  | Microwave<br>(1000 W)                     | 34p                | 6p                     |
|  | Electric mower<br>(1000 W)                | 34p                | 6p                     |
|  | Vacuum cleaner<br>(900 W)                 | 31p                | 5p                     |
|  | Dehumidifier<br>(500 W)                   | 17p                |                        |



**These appliances use less electricity so you can use them as much as you need to.**



|   | <b>Appliance<br/>(with typical power<br/>rating*)</b> | <b>Cost<br/>per hour**</b> | <b>Cost<br/>per 10<br/>mins</b> |
|---|---|----------------------------|---------------------------------|
|    | Towel rail<br>(450 W)                                 | 15p                        |                                 |
|    | Plasma TV<br>(350 W)                                  | 12p                        | 2p                              |
|  | Fridge-freezer<br>(300 W)                             | 10p                        |                                 |
|  | Freezer<br>(150 W)                                    | 5p                         |                                 |
|  | Fridge<br>(150 W)                                     | 5p                         |                                 |
|  | Heating blanket<br>(150 W)                            | 5p                         | 1p                              |

**These appliances use less electricity so you can use them as much as you need to.**

|   | <b>Appliance<br/>(with typical power<br/>rating*)</b> | <b>Cost<br/>per hour**</b> | <b>Cost<br/>per 10<br/>mins</b> |
|---|---|----------------------------|---------------------------------|
|    | Desktop computer<br>(140 W)                           | 5p                         | 1p                              |
|   | Games console<br>(120 W)                              | 4p                         | 1p                              |
|  | LCD TV<br>(120 W)                                     | 4p                         | 1p                              |
|  | Laptop<br>(50 W)                                      | 2p                         |                                 |
|  | TV box<br>(40 W)                                      | 1p                         |                                 |
|  | DVD player<br>(40 W)                                  | 1p                         |                                 |



**These appliances use less electricity so you can use them as much as you need to.**

|   | <b>Appliance<br/>(with typical power<br/>rating*)</b> | <b>Cost<br/>per hour**</b> | <b>Cost<br/>per 10<br/>mins</b> |
|---|---|----------------------------|---------------------------------|
|  | Extractor fan<br>(20 W)                               | 1p                         |                                 |
|  | Broadband router<br>(10 W)                            | 1p                         |                                 |

\* We've taken an average power rating for each appliance; the actual power rating will depend on the size and specifications of the appliance. So the cost of running, say, your microwave, could be more or less than the figure given.

\*\* For some appliances, we've only listed the cost for either an hour (column 2) or 10 minutes (column 3).

## Buying new appliances



Appliances in the shop have a label showing their energy rating. Choose one with an A rating where possible.

Or compare appliances by how much electricity they will use per year.

## Energy monitors



If you have a smart meter in your home, you can look at the In Home Display to check how much electricity you are using at any time. They can also help work out if an appliance is using a lot of electricity.



If you do not have a smart meter and In Home Display you can buy an energy monitor.



The Centre for Sustainable Energy is a charity.



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