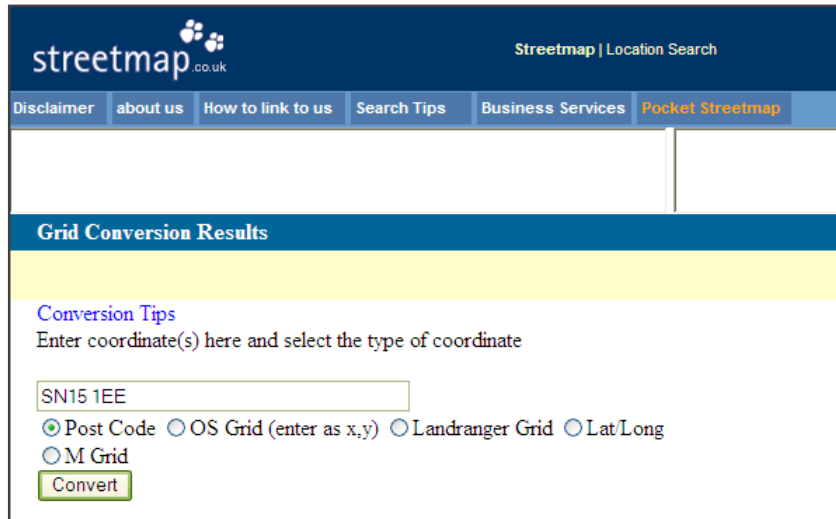


How do I work out my wind speed?

Step 1: Browse to <http://www.streetmap.co.uk/streetmap.dll?GridConvert>



streetmap.co.uk Streetmap | Location Search

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Grid Conversion Results

Conversion Tips
Enter coordinate(s) here and select the type of coordinate

SN15 1EE

Post Code OS Grid (enter as x,y) Landranger Grid Lat/Long
 M Grid

Convert

Step 2: Type your post code into the box, select the radio button for "Post Code" below it, and press the "Convert" button

Step 3: A table will appear. One of the rows will have LR in the left column and an 8 digit code in the right column. The code should have two letters followed by six numbers for e.g. ST919734. Write this down.



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Grid Conversion Results

OS X	391986
OS Y	173476
Post Code	SN15 1EE
Lat (WGS84)	N51:27:37 (51.460201)
Long (WGS84)	W2:07:00 (-2.116741)
LR	ST919734
mX	-235634
mY	6669662
M	Actual : FFFC678E_0065C55E Street : FFFC6814_0065C4BC Road : FFFC7D90_00659FA0 Road64 : FFFD1200_00659000 Road128: FFFE0C00_00659000

[Click here to see location](#)

Conversion Tips
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- Step 4: Now cross out the third and sixth number to make ST9173 = this is the grid reference of your location.
- Step 5: Then, browse to <http://www.berr.gov.uk/wind-speed-database/page27326.html>
- Step 6: Select the radio button for Great Britain and type your grid reference in the box provided. Press the "Find Wind Data" button.

The screenshot shows the BERR website's 'Windspeed Database' page. The page has a blue header with the BERR logo and navigation links. A search bar is visible. The main content area is titled 'Windspeed Database' and includes instructions on how to use the grid reference tool. It features a 'Windspeed Search' section with a radio button selected for 'Great Britain [England, Scotland and Wales]' and an empty text box for the grid reference. A 'Find Wind Data' button is at the bottom of the search section.

- Step 7: The results page will load and under the heading "Wind speed at 10m agl (in m/s)" there will be a number highlighted in yellow - This is your average wind speed!

Wind speed at 10m agl (in m/s)

4.7	4.9	5
4.5	4.5	4.8
4.4	4.4	4.8

If your average wind speed is below 4.5m/s your turbine might not produce an efficient level electricity to warrant its installation.

If your average wind speed is above 5.5m/s your turbine will perform at a sufficient level that will provide you with an optimum level of electricity.

If your average wind speed is above 7.5m/s your turbine will perform exceedingly well at this site so utilise it well. Install a turbine that will embrace as much of this wind as possible – remember the bigger and taller the better.