





## Weather parameters relevant to the energy industry

EWC provides all weather parameters important for the business industry and energy-relevant indicators, e.g. wind speed at hub height:

		Weather parameters	Energy-relevant indicators
<b>Temperature</b> 	<b>Hourly data</b>	<ul style="list-style-type: none"> <li>▫ Air temperature</li> <li>▫ Ground temperature</li> <li>▫ Dew point</li> </ul>	<ul style="list-style-type: none"> <li>▫ Wind chill</li> <li>▫ Wind chill factor</li> </ul>
	<b>Daily data</b>	<ul style="list-style-type: none"> <li>▫ Mean temperature</li> <li>▫ Tmax, Tmin</li> </ul>	<ul style="list-style-type: none"> <li>▫ Degree day figures</li> <li>▫ Heating degree day figures</li> <li>▫ Heat index</li> </ul>
<b>Precipitation</b> 	<b>Hourly data</b>	<ul style="list-style-type: none"> <li>▫ Precipitation (rain, hail, snow and sleet)</li> <li>▫ Relative air density</li> <li>▫ Air pressure</li> <li>▫ Snow height</li> </ul>	<ul style="list-style-type: none"> <li>▫ Precipitation probability</li> <li>▫ Water levels</li> </ul>
	<b>Daily data</b>	<ul style="list-style-type: none"> <li>▫ Precipitation amount</li> </ul>	
<b>Wind</b> 	<b>Hourly data</b>	<ul style="list-style-type: none"> <li>▫ Wind speed</li> <li>▫ Wind direction</li> <li>▫ Wind gusts</li> </ul>	<ul style="list-style-type: none"> <li>▫ Wind speed at hub height</li> <li>▫ Wind energy</li> </ul>
	<b>Daily data</b>	<ul style="list-style-type: none"> <li>▫ Mean wind speed</li> <li>▫ Max. wind gusts</li> </ul>	
<b>Radiation parameters</b> 	<b>Hourly data</b>	<ul style="list-style-type: none"> <li>▫ Cloud coverage</li> <li>▫ Radiation</li> </ul>	<ul style="list-style-type: none"> <li>▫ Effective cloud coverage</li> </ul>
	<b>Daily data</b>	<ul style="list-style-type: none"> <li>▫ Sunshine duration</li> </ul>	<ul style="list-style-type: none"> <li>▫ Percentage sunshine duration</li> <li>▫ Day length, respectively dawn</li> </ul>
<b>Other</b>	<b>Hourly data</b>	<ul style="list-style-type: none"> <li>▫ Lightning (number and type)</li> <li>▫ Weather condition (description)</li> <li>▫ Visual range</li> <li>▫ Wave height, period, direction</li> </ul>	

**Other weather parameters and energy-relevant indicators can be retrieved on request. We, furthermore, provide the data as monthly and climate data and calculate mean values, totals, frequency distributions, correlations, statistics, etc.**

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