



Interconnected network of Continental Europe

as of 31.12.2015



Lines

- 150 kV transmission line
- 500 kV transmission line
- 300-225 kV transmission line
- 225 kV transmission line
- 110-150 kV transmission line
- DC line

Different lines for all voltages under operation

- 1 circuit
- Double circuit
- Double circuit with 1 circuit mounted on 3 circuits

Additional information for all lines and voltages under construction (colored)

- Underground (for overhead lines and cables)
- Currently used voltage
- Temporary voltage
- Turnover as explained below

Plants and stations

- Bioogas
- Biogas
- Down load/light
- Coal thermal gas
- Fossil fuel
- Fossil gas
- Gas
- Geothermal
- Hydro
- Hydro pumped pump storage
- Hydro pumped storage
- Hydro pump storage
- Hydro run of river / pondage
- Mixed fuels
- Nuclear
- Oil gas
- Other fossil fuel
- Other (not listed)
- Solar photovoltaic
- Solar thermal
- Waste (non renewable)
- Wind farm

Other elements

- Substation
- Converter station
- Converter station back-to-back
- Substations & power plants

NOC threshold in MW

All existing power plants and lines enter construction with NOC. New Generators Capacity equal or higher than the values in the table below. The table below shows the NOC threshold in MW for each country. The NOC threshold is based on the NOC of the interconnector. The NOC threshold is based on the NOC of the interconnector. The NOC threshold is based on the NOC of the interconnector.

Country	Non-renewable	Renewable	CHPs	Country	Non-renewable	Renewable	CHPs
Albania	100	50	no	Italy	100	50	no
Austria	100	50	no	Latvia	100	50	no
Belgium	100	50	no	Lithuania	100	50	no
Bulgaria	100	50	no	Malta	100	50	no
Croatia	100	50	no	Poland	100	50	no
Cyprus	100	50	no	Romania	100	50	no
Czech Republic	100	50	no	Slovakia	100	50	no
Denmark	100	50	no	Slovenia	100	50	no
Estonia	100	50	no	Spain	100	50	no
France	100	50	no	Sweden	100	50	no
Germany	100	50	no	Switzerland	100	50	no
Greece	100	50	no	Turkey*	100	50	n.a.
Hungary	100	50	no				
Ireland	100	50	no				
Italy	100	50	no				
Latvia	100	50	no				
Lithuania	100	50	no				
Malta	100	50	no				
Poland	100	50	no				
Romania	100	50	no				
Slovakia	100	50	no				
Slovenia	100	50	no				
Spain	100	50	no				
Sweden	100	50	no				
Switzerland	100	50	no				
Turkey*	100	50	n.a.				

Power systems

- Continental Europe and Turkey*
- Synchronous with CE
- Other ENTSO-E
- Other Power Systems



Sources of information

- ENTSO-E members and observers
- entsoe
- OSU
- System Operator of the UPS of Russia
- UKRENERGO National Power Company