



**Calculation of the cumulative maximum capacity of power-generating modules classified as emerging technologies in the synchronous area, in accordance with article 67 Regulation 2017/631 EC.**

Member State	Maximum Capacity (MW) Op 29-01-2014, 19:00h	Amount of generated energy (TWh/per year)
AT	11.021	65,5
BA	1.908	14,5
BE	12.729	67,7
BG	6.796	41,7
CH	7.445	69,7
CZ	9.868	80,0
DE	80.660	548,5
DK	5.837	30,6
ES	37.540	266,5
FR	82.463	541,2
GR	7.585	40,8
HR	2.746	12,0
HU	5.735	26,1
IT	49.930	266,9
LU	779	2,8
ME	547	4,1
MK	1.335	4,9
NL	17.270	96,2
PL	23.297	145,6
PT	7.231	49,0
RO	8.006	60,7
RS	6.663	36,8
SI	2.129	16,3
SK	4.005	25,4
<b>Totaal</b>	<b>393.525,2</b>	<b>2.513,5</b>

Calculation of the cumulative maximum capacity of power-generating modules classified as emerging technologies in the synchronous area,

$$P_{max} (syn. area) = 0,1\% * 393525 MW = 393,525 MW$$

Calculation of the cumulative maximum capacity of power-generating modules classified as emerging technologies in the Netherlands

$$P_{max}(NL) = \frac{96,2 TWh}{2.513,5 TWh} * 393,525 MW = 15,06 MW$$



## Background

Regulation 2016/631/EC (RfG) provides the opportunity to manufacturers of Type A power generating modules to request for classification of their power-generating module technology as an “emerging technology”. Type A power-generating modules have a connection point below 110 kV and a maximum capacity of 0,8 kW or more (article 5 Regulation 2016/631/EC). Requests for classification as an emerging technology are submitted to the national regulatory authority (ACM). With the exception of Article 30 (notification of type A power generating modules) the requirements of Regulation 2016/631/EC are not applicable to power-generating modules classified as an emerging technology.

A power-generating module shall be eligible to be classified as an emerging technology pursuant to Article 69 Regulation 2016/631/EC in case it meets the following criteria (article 66 Regulation 2016/631/EC):

- (a) it is of type A
- (b) it is a commercially available power-generating module technology; and
- (c) the accumulated sales of the power-generating module technology within a synchronous area at the time of application for classification as an emerging technology do not exceed 25 % of the maximum level of cumulative maximum capacity established pursuant to Article 67(1).

In accordance with article 69 of Regulation 2016/631/EC the national regulatory authority shall decide, in coordination with all the other regulatory authorities of a synchronous area, which power-generating modules should be classified as an emerging technology and publish a list of power-generating modules approved as emerging technologies in its member state. ACM has decided that the abovementioned power-generating modules have met the criteria of article 66 Regulation 2016/631/EC.

Moreover, Regulation 2016/631 EC obliges national regulatory authorities to monitor the sales of the classified power generating modules in EU member states. This means that the manufacturers of classified power generating modules are obliged to submit an update of the sales of the power generating modules to the regulatory authority every two months (article 70 Regulation 2016/631 EC). In the event that the cumulative capacity of all power generating modules classified as emerging technologies exceeds the threshold (see above) the classification as emerging technology shall be withdrawn. The decision by ACM to withdraw classifications of emerging technologies will be published on the website of ACM.

For any further inquiries related to these decisions, the classification of emerging technologies in the context of Regulation 2016/631/EC or the calculation of the cumulative maximum capacity of power-generating modules please contact Mr Wieger Wiersema ([wieger.wiersema@acm.nl](mailto:wieger.wiersema@acm.nl), tel: +31 70 7222296).