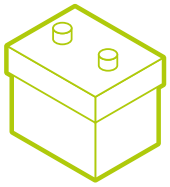
The new European Battery Regulation

The European Commission has drawn up a draft Battery Regulation that will probably come into effect at the beginning of July 2023, of which EPR (extended producer responsibility) part or the future take-back rules will come into effect in mid-2025.
This overview details about the **most important new obligations for you as a producer, importer or seller of batteries on the Belgian market (individual sales of batteries themselves, as well as in appliances, equipment and means of transport).**

5 new battery categories

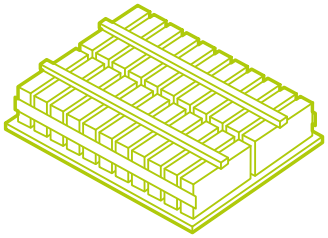
1

SLI battery or automotive battery (lead starter battery)



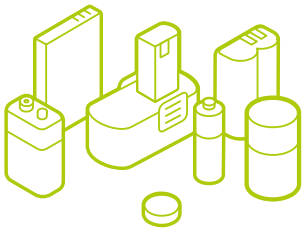
2

Electric Vehicle (EV) battery



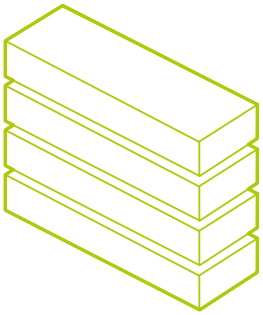
3

Portable battery ≤ 5 kg



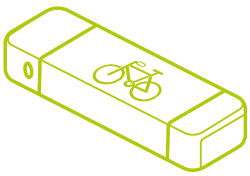
4

Industrial battery



5

Light means of transport battery (usually 2/3 wheel and ≤ 25 kg)



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What are your new obligations?

PRODUCT STANDARDS

NEW OBLIGATION	APPLICABILITY TO NEW BATTERIES IN THESE CATEGORIES	NUMBER OF MONTHS AFTER ENTRY INTO BATTERY REGULATION
Carbon Dioxide footprint		
You provide a carbon footprint statement about the full life cycle of the battery.	• Electric vehicle batteries • Rechargeable industrial batteries > 2 kWh • Light means of transport batteries • Batteries for Energy Storage Systems (ESS) > 2 kWh	**18 months** **30 months** **60 months** **84 months**
Batteries are classified into carbon footprint performance classes.	• Electric vehicle batteries • Rechargeable industrial batteries > 2 kWh • Light means of transport batteries • Batteries for Energy Storage Systems (ESS) > 2 kWh	**36 months** **48 months** **78 months** **102 months**
There is a maximum carbon footprint threshold.	• Electric vehicle batteries • Rechargeable industrial batteries > 2 kWh • Light means of transport batteries • Batteries for Energy Storage Systems (ESS) > 2 kWh	**54 months** **66 months** **96 months** **120 months**
Performance & durability requirements		
Portable batteries (except button cells) for general use must meet minimum values for the electro-chemical **performance and durability parameters.**	• Portable batteries (4.5 Volt (3R12), D, C, AA, AAA, AAAA, A23, 9 Volts (PP3))	**60 months**
Establishment of these minimum values by the Commission via a delegated act	• Portable batteries (4.5 Volt (3R12), D, C, AA, AAA, AAAA, A23, 9 Volts (PP3))	**48 months**
Commission study on phasing out primary portable batteries in the market	• General purpose non-rechargeable portable batteries	**31/12/2030**
You provide information about the battery **performance & durability parameters** (the values of these parameters are set by a **delegated act** in **Appendix IV Part A**, 30 and 42 months after entry into force of the Regulation).	• Rechargeable industrial batteries > 2 kWh • Light means of transport batteries > 2 kWh	**48 months** **60 months**
Batteries for Energy Storage System (ESS) must meet the set **safety parameters.**	• Batteries for Energy Storage Systems (ESS)	**12 months**
Batteries must be accompanied by a **document** containing the electrochemical performance and robustness parameter values.	• Rechargeable industrial batteries > 2 kWh • Electric vehicle batteries • Light means of transport batteries	**12 months** **12 months** **12 months**
Consumers must be able to **remove and replace** batteries from equipment.	• Portable batteries & light means of transport batteries	**42 months**

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PRODUCT STANDARDS

NEW OBLIGATION	APPLICABILITY TO NEW BATTERIES IN THESE CATEGORIES	NUMBER OF MONTHS AFTER ENTRY INTO BATTERY REGULATION
Due diligence obligation		
There is a "duty of care" or "due diligence" for: • suppliers of cobalt, natural graphite, lithium, nickel; as well as for • respecting human rights, environmental considerations, health and safety (with supervision by a notified body).	• All types of batteries	24 months
A **QR code**, identification and/or serial number, and a physical label is to be placed on every battery. The date of manufacture and entry on to the market are also to be stated (possibly on the packaging or in separate documentation).	• All types of batteries	42 months
A Battery Management System **(BMS)** is to be provided with accessible data about the parameters related to battery ageing and lifespan.	• Batteries for Energy Storage Systems (ESS) • Electric vehicle batteries • Light means of transport batteries	12 months 12 months 12 months
Conformity declaration and a **CE marking** is to be placed on the battery (if not possible, on the packaging/documentation).	• All types of batteries	36 months
Batteries are to have a **battery passport** that is accessible via an access code and which details technical information, percentage of recycled materials and CO2 footprint.	• Rechargeable industrial batteries • Electric vehicle batteries • Light means of transport batteries	42 months 42 months 42 months

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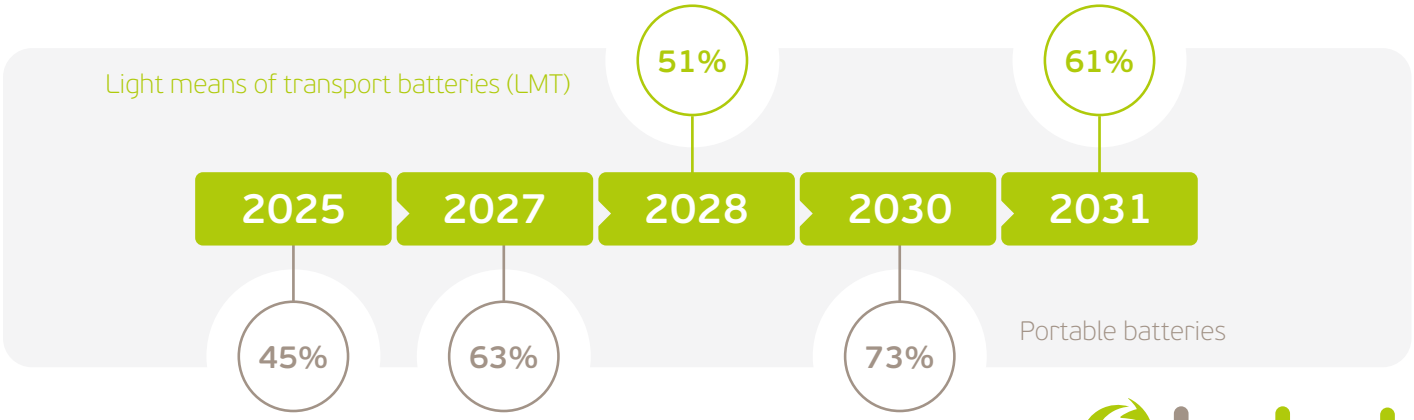
ENVIRONMENTAL OBLIGATIONS

NEW OBLIGATION	APPLICABILITY TO NEW BATTERIES IN THESE CATEGORIES	NUMBER OF MONTHS AFTER ENTRY INTO BATTERY REGULATION
Batteries are to be accompanied by documentation that states how much recycled cobalt, lead or nickel they contain.	• Industrial batteries > 2 kWh • Electric vehicle batteries • Light means of transport batteries • SLI batteries	60 months 60 months 120 months 60 months
Batteries are to be made with a minimum proportion of recycled materials: Phase 1: cobalt (16%), lead (85%), lithium (6%) and nickel (6%)	• Electric vehicle batteries • Industrial batteries > 2 kWh • SLI batteries	96 months 96 months 96 months
Phase 2: cobalt (26%), lead (85%), lithium (12%) and nickel (15%)	• Electric vehicle batteries • Industrial batteries > 2 kWh • Light means of transport batteries • SLI batteries	156 months 156 months 156 months 156 months
You are to register as a producer so that compliance with the management of waste batteries can be monitored.	• All types of batteries	On entry
Minimum recovery and recycling efficiency for end-of-life batteries is to be ensured.	• All types of batteries	On entry
Phase 1: 90% cobalt, 90% copper, 90% lead, 50% lithium and 90% nickel	• All types of batteries	31/12/2027
Phase 2: 95% cobalt, 95% copper, 95% lead, 80% lithium and 95% nickel	• All types of batteries	31/12/2031
Minimum recycling efficiency expressed in average weight. • 75% for lead batteries, 65% for lithium batteries, 80% for nickel cadmium batteries, 50% for other waste batteries	• All types of batteries	31/12/2025
• 80% for lead batteries, 70% for lithium batteries	• All types of batteries	31/12/2030

Collection targets for European Member States



Drawn up on the basis of provisional information provided in March 2023.