

EU Battery Regulation 2026

Compliance Milestones & the Data Assembly Lines Must Capture

Regulation (EU) 2023/1542 reached the production line in 2026. The carbon-footprint declaration became mandatory for rechargeable industrial batteries above 2 kWh on 18 February 2026, the digital battery passport register went live in July 2026, and the JRC published the recycled-content calculation rulebook on 13 July 2026. This brief summarises the dates that reach the cell, module and pack assembly line.

2026 Milestone Calendar

Obligation	In scope	Applies from	Requirement
Carbon footprint declaration	EV batteries	18 Feb 2025	Verified kg CO ₂ -eq/kWh, plant-specific
Carbon footprint declaration	Industrial >2 kWh	18 Feb 2026	Verified declaration, now live
Carbon footprint label	EV batteries	18 Aug 2026	A-E class on the battery
Digital battery passport	EV, LMT, Ind >2 kWh	18 Feb 2027	QR-linked DPP, ~64 data fields
Supply-chain due diligence	Large operators	18 Aug 2027	Co, Li, Ni, natural graphite
Recycled-content docs	EV, Ind >2 kWh, SLI	18 Aug 2028	Co/Li/Ni/Pb recovery share
Minimum recycled content	EV, Ind >2 kWh, SLI	18 Aug 2031	Co 16% / Li 6% / Ni 6% / Pb 85%

Recycled-Content Minimums (Article 8)

From	Cobalt	Lithium	Nickel	Lead
18 Aug 2031	16%	6%	6%	85%
18 Aug 2036	26%	12%	15%	85%

What It Means for Assembly & Testing Lines

- Traceability is the gate: barcode/RFID capture from cell intake through welding, formation and EOL test.
- BMS and per-batch test data become passport fields (performance, durability, state-of-health).
- Conformity documentation is per model, per year, per manufacturing plant.
- Due diligence (from 18 Aug 2027) ripples upstream to cobalt, lithium, nickel and natural graphite.

NEGUP MACHINE builds module-pack assembly and end-of-line testing systems with integrated traceability and per-batch data capture for the EU 2026-2027 compliance calendar.