

STANDARDS

- **PD ERS 001: ENEC Requirement Sheet 001**
To have batteries in the system which comply with these specific requirements, a special program was defined as ENEC Requirement Sheet (ERS) 001.
- **EN 61951-1 Part 1** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-cadmium
- **EN 61951-2 Part 2** Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride
- **EN 61960-3 Part 3** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications - Part 3: Prismatic and cylindrical lithium secondary cells, and batteries made from them
- **EN 62133-1 Part 1** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems
- **EN 62133-2 Part 2** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems
- **EN IEC 62619** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications
- **EN 62620** Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications.

TESTING

The type tests can be performed in the:

- laboratories of the ENEC members
- laboratories of manufacturers*

* For testing in manufacturer laboratories, there are three processes in place:

- **E-CTF1** - testing by the ENEC engineer at the manufacturer's premises.
- **E-CTF2** - testing by the manufacturer's personnel, witnessed by the ENEC engineer.
- **E-CTF3** - testing by the manufacturer's personnel – supervised and partly witnessed by the ENEC engineer.



CONTACT

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SAFETY FIRST

ENEC Certification for Cells &
Rechargeable Batteries of
Emergency Lights



THE MOST KNOWN HIGH-QUALITY MARK IN THE LIGHTING INDUSTRY

CERTIFICATION FOR THE EMERGENCY LIGHTING INDUSTRY

The emergency lighting industry experiences a lack of third-party certified rechargeable batteries.

Batteries are an important component of emergency lighting and therefore need certification.

Battery technology is continuously evolving, which is why it is important to be reliable.

ENEC: YOUR HIGH-QUALITY EUROPEAN MARK

ENEC has been a symbol of top-quality electrical products in Europe since 1992. Our mark signifies compliance with European standards (ENs), primarily focused on safety.

ENEC certification is complementary to the mandatory CE marking for electrical products in the European market. Unlike CE marking, which is self-declared by manufacturers or importers, ENEC certification is granted by an independent third party.

Rigorous testing is conducted by approved independent test laboratories (ENEC TLs) located worldwide, or in certain cases, in approved manufacturers' laboratories.

WHAT ARE YOUR BENEFITS AS A MANUFACTURER?

Compliance assurance: The ENEC mark guarantees compliance with the latest safety standards, certified by third-party body.

Reliability: The ENEC mark is synonymous with reliability, safety, and production surveillance.

Confidence: Certified cells and batteries provide greater confidence towards local and national authorities.

Streamlined Testing: For the end-product manufacturers, the ENEC mark for certified components simplifies testing, making it both economical and faster.

Operational Guarantee: The ENEC mark guarantees operativity within specific tolerances.

Competitive Advantage: The ENEC mark offers several advantages, including enhanced reliability, international recognition & a competitive edge for your business.

PRODUCT OVERVIEW

ENEC mark can be issued to:

- Rechargeable batteries for emergency lighting.
- Cells and batteries intended for other applications. (eg.: battery packs for portable tools or personal electric transporters).

CERTIFICATION PROCESS

- **Approval of the manufacturer:** Production site inspection.
- **Approval of individual product models:** Type testing on representative sample for the series production.
- **Certification:** Granting the license to use the ENEC mark on the products.
- **Control of production:** Yearly supervision of manufacturing location and manufactured products.