Certificate No:
**TAE00004A0**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Battery (Accumulator)**

with type designation(s)
**MARINE & LEISURE, EFB Batteries EZ600 and EZ850**

Issued to
**EXIDE TECHNOLOGIES, S.A.**
**Alcobendas**, **Spain**

is found to comply with
**DNV GL rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

**Products approved by this certificate are accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2021-06-23**
This Certificate is valid until **2026-06-07**.
DNV local station: **Area NB/CMC Iberia**

Approval Engineer: **Nicolay Horn**

for **DNV**

**Marta Alonso Pontes**
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

## Product description

Standard flooded batteries. EFB technology.

| Product Code | 20h Capacity (Ah) | CCA-EN (A) | Voltage (V) |
|---|---|---|---|
| EZ600 | 70 | 760 | 12 |
| EZ850 | 100 | 900 | 12 |

## Manufactured by

EXIDE TECHNOLOGIES SLU (Fábrica du Manzanares)
CR Alcazar du St. Juan, Manzanares
Ciudad Real
Spain

## Application/Limitation

Batteries for use in ships and offshore Units. To be installed as described for flooded batteries / vented batteries in the DNV GL rules Pt.4, Ch.8, Sec.2, item 9.4.

## Type Approval documentation

## Tests carried out

Capacity (EN 50342), Cold Cranking (EN 50342),Charge acceptance((EN 50342), Water consumption (EN 50342), Cycling (EN 50342), Deep discharge (EN 50342),Corrosion (EN 50342) High Current Tolerance (IEC 60896-21) and Vibration Resistance (EN 50342, V1).

## Marking of product

EXIDE MARINE & LEISURE – Product Code – Capacity (Ah)

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:
• Inspection on factory samples, selected at random from the production line (where practicable)
• Review of type approval documentation
• Review of possible change in design, materials and performance
• Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE