

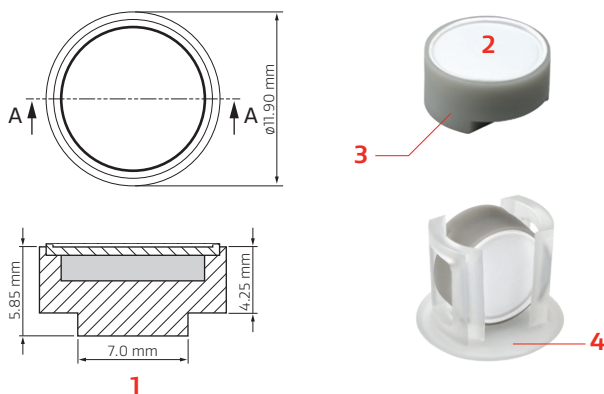
REDUCE ELECTROLYTE LOSS TO IMPROVE BATTERY DURABILITY AND SERVICE LIFE

Extended product life cycle supports carbon footprint reduction

The GORE® Catalytic Device capitalizes on Gore's world-leading expertise in porous PTFE and catalytic membrane formation technology.

Designed to be installed inside flooded lead-acid batteries, Gore's small Catalytic Device effectively recombines hydrogen and oxygen, reducing electrolyte loss and extending battery life.

Design features



1. Compact, low-profile design
2. Gas-permeable GORE Membrane protects electrolyte
3. Waterproof sheet prevents poisoning and thermal runaway (> 600Ah capacity*)
4. Snap-fit mounting for easy integration

*EN-water loss condition based on limited test data.

Key benefits

Significantly reduces water loss

maintains electrolyte at or below EN-50342-1 W5 level

Extends battery life

by maintaining electrolyte's specific gravity

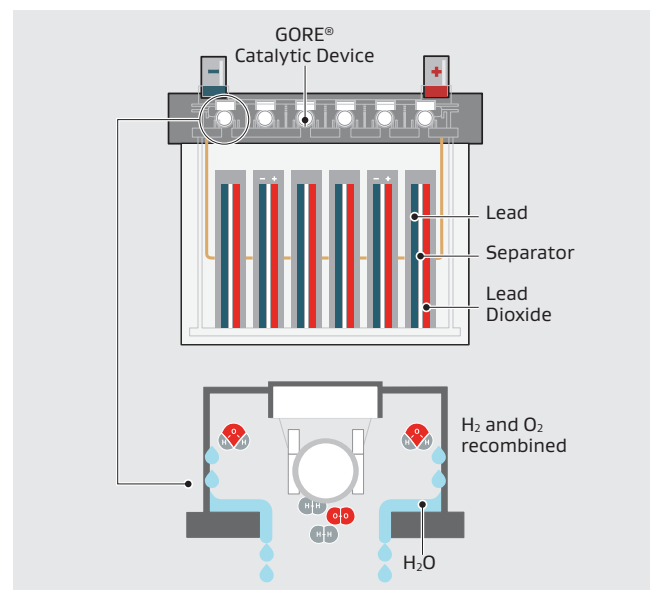
Supports sustainability

Potential for reduced CO₂ emission from battery manufacturing and recycled lead (based on initial screening LCA)

Enhances durability

with broad temperature range (-30 °C ~ +75 °C)

How it works

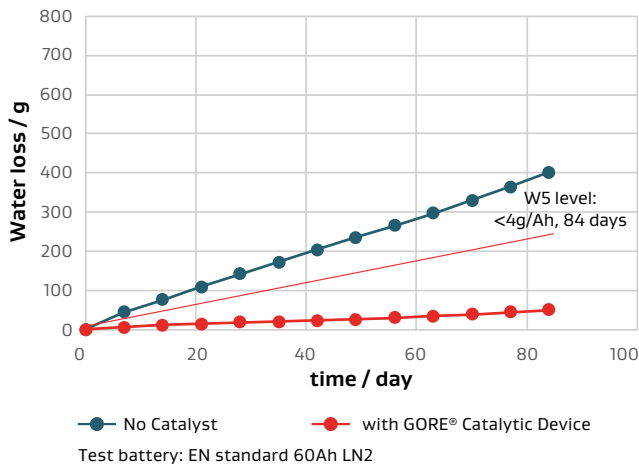




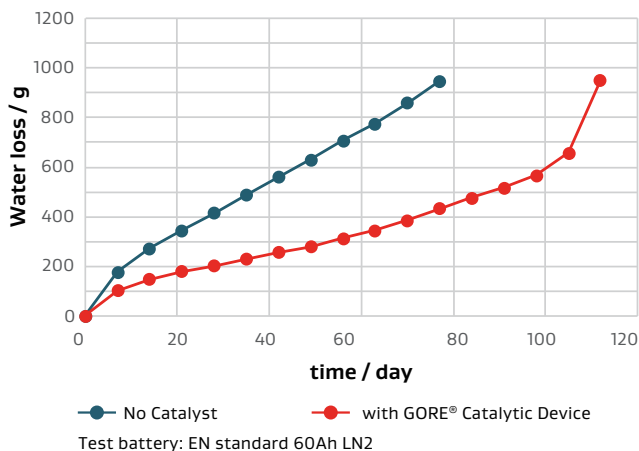
Performance

The GORE® Catalytic Device significantly reduces electrolyte loss, as demonstrated by these 60 °C over-charge and 75 °C discharge-recharge tests.

EN Water Loss Test 60 °C



75 °C Cycle Test



Product information

Order numbers

For series production	NVA9064
For samples	SMPL-NVA9064

Materials of construction

Housing	Polypropylene
Surface membrane type	Hydrophobic ePTFE

Applications

The GORE® Catalytic Device is designed for use in typical manifold-type automotive lead batteries, including:

- normal/hybrid vehicles
- start-stop vehicles

Gore's Device is also compatible with 6-plug automotive batteries. Contact your local Gore representative for additional details.

Device positioning and installation

The GORE® Catalytic Device is designed to be mounted in a holder or fitting inside the flooded lead battery. Your local Gore representative can provide technical recommendations about holder design as well as device positioning and installation.

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