



Revolutionizing Safety in Battery Manufacturing: ENVAION: Offering Safe and Affordable Transport of Batteries

Comprehensive Safety
from Production Line
to Shipping Dock



Why ENVAION for Your Gigafactory?

✂ **Scalability:**

Solutions that match your production volume, from pilot lines to full-scale operations

✂ **Future-Proof:**

Stay ahead of evolving safety regulations and industry standards

✂ **Comprehensive Approach:**

Integrated safety from production to distribution

✂ **Practical and cost-efficient:**

Prevent costly incidents while ensuring scalable, reusable solutions that support sustainable battery production

Secure Your Production, Protect Your Investment

In the competitive world of battery manufacturing, safety isn't just about compliance—it's a critical business advantage. ENVAION provides advanced safety solutions for high-risk batteries, allowing you to focus on innovation and growth with confidence



LIGHTWEIGHT



IMPROVED SAFETY



REUSABLE



SCALABLE



ENHANCED FIRE
PROTECTION



TOXIC GAS FILTER



SUPPRESS THERMAL
RUNAWAY



UN CERTIFIED

Lithium
Li-ion Battery

The Challenge of Large-Scale Battery Production

In the rapidly evolving world of battery manufacturing:

- ⌘ Fire risks increase with production scale due to higher energy storage density and potential for thermal runaway incidents.
- ⌘ Safe storage of large battery quantities is crucial.
- ⌘ Compliance with evolving regulations is complex.
- ⌘ Efficient and safe transportation is essential for global distribution.

ENVAION's Solution: Scalable Safety for Every Production Stage

Our cutting-edge AkkuGrain technology offers:

- ⌘ Significantly reduces fire risks and minimizes explosion hazards
- ⌘ Neutralization of toxic gasses
- ⌘ Adaptable solutions for various battery sizes and production volumes
- ⌘ Compliance with international safety standards for storage and transport

⌘ Safety by Akkugrain™



Key Benefits for Battery Manufacturers

ENHANCED PRODUCTION SAFETY:

- ✂ Minimize risks in high-volume production environments
 - ✂ Protect valuable equipment and maintain production continuity
 - ✂ Ensure worker safety with advanced gas neutralization
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EFFICIENT LARGE-SCALE STORAGE:

- ✂ Safely store large quantities of batteries
 - ✂ Flexible solutions adaptable to different battery sizes
 - ✂ Optimize space utilization without compromising safety
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COMPLIANT GLOBAL DISTRIBUTION:

- ✂ Meet international transport regulations (P911 ADR, HMR / 49 CFR regulation)
 - ✂ Ensure safe battery transport from factory to recycling area
 - ✂ Reduce liability risks in the supply chain
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SEAMLESS INTEGRATION WITH PRODUCTION LINES:

- ✂ Easy-to-implement safety systems compatible with automated processes
- ✂ Scalable solutions that grow with your production capacity
- ✂ Minimize disruptions to existing workflows

Our High-Capacity Products

	Certified	External Dimensions (L x W x H)	Internal Dimensions (L x W x H)	Content Weight (Batteries)
 VIO-10 Pro	P911 UN 4H2/X 427/S/**/GB/7652 US DOT Special Permit DOT-SP-21619	1200 x 800 x 740 mm 47" x 32" x 29"	975 x 575 x 380 mm 38" x 23" x 15"	260Kg

The products are made from heavy-duty, durable materials,
specifically designed for industrial use
and safe transportation





Contact Us

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