



# HOW TO PROTECT AND TRANSPORT HEAVY BATTERY MODULES?

## THE CHALLENGE

A manufacturer of high-performance battery modules turned to Antalis to help find a packaging system that would keep its products secure during transit.

Our client needed us to design a packaging system that would protect their heavy battery modules during transit by preventing the risk of tipping.

To ensure the products arrived intact, they needed the following:

- + Stabilise 10 battery modules weighing 80 kg each during overseas shipping
- + Separate modules to prevent contact damage during handling
- + Maximise container saturation

### THE CLIENT

A manufacturer of high performance battery modules.

### PROJECT CLASSIFICATION

- + Stability
- + Space saving
- + Simplicity

### OBJECTIVE OF THE PROJECT

Developing a tailored solution to keep heavy products secure during transit.

## THE ANTALIS SOLUTION

Our experts at Antalis packaging developed a custom-made, high-capacity, stackable storage solution with both guides to lock battery modules in place and anti-tipping pallets for extra stability.



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## THE SUMMARY

CHALLENGE	GOAL	SOLUTION	BENEFIT
Robustness	Transport heavy battery modules.	Entirely made of wood.  A frame and base in HT-treated fir and pine plywood panelin.	A sturdy solution that can support a total of 1,600 kg.
Stability	Prevent contact damage during handling.	The custom-made is a seamless fit for the headboards and sides, and flush to the ground.  An ISO container, sized and mounted on 2-way anti-tip pallets.  Modules arranged in two stacks side by side.  Guides, inside of the container, designed to keep the battery modules horizontal.	Making the package a single volume, with no overhangs or scope for load movement.  An even distribution of weight on the platform.  Lock the battery modules in place separately to prevent load displacement during transport, and avoid scratches and rubbing.
Efficiency	Maximise container saturation.	The entire structure is nailed in place, except for the front side, which—fixed by metal clips—was removable.  Entirely stackable.	Easy to load and unload.

## ADVANTAGES OF THE SOLUTION



### SIMPLICITY

The design platform was specifically designed for easy handling.



### SAFETY

The bespoke design was conceived to prevent the risk of tipping over.



### SPACE SAVING

Its dimensions were calculated to maximise the available space.

## SERVICES PROVIDED



With the right expertise and guidance, we helped our client to optimise their packaging process efficiency.



We designed a bespoke solution that ticked all our customer's boxes and helped them to overcome their specific problems.

## Looking to improve your equipment's safety during transit?

Contact us for tailor-made packaging solutions that both align with your environmental values and logistical needs, and ensure your products arrive in impeccable condition, every time.

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