

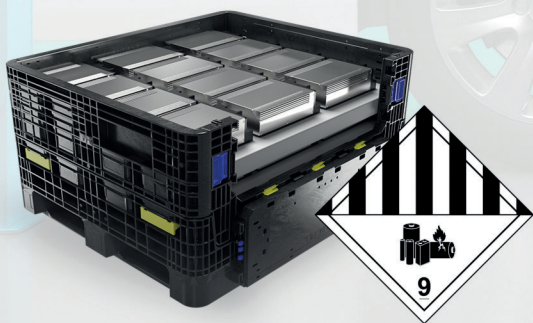


 Powered by Menasha Corporation

# ORBIS Europe IonPak®

## Foldable Large Containers for Lithium-Ion Batteries

- Certified solutions according RID/ADR
- Safe transportation and storage
- Durability and long service life
- 100% recyclability



 INNOVATIVE

 ROBUST

 SUSTAINABLE

# ORBIS Europe IonPak®

Customised Packaging Solutions  
based on Standard Dimensions

1200 x 800 / 1200 x 1000



The ORBIS IonPak® is a customisable plastic container for lithium-ion batteries, that are classified as class 9 dangerous goods packaging group II. Transporting and packaging these goods is subject to strict regulations. Due to safety hazards, lithium-ion batteries require robust and safe packaging solutions.



## OUR SOLUTION: The ORBIS IonPak® Plastic FLC

Suitable for Li-Ion batteries, prototypes,  
modules, cells and batteries in equipment

### How to efficiently package lithium-ion batteries

- Convert conventional one-way packaging to a collapsible, reusable plastic container
- Utilise industry standard footprints designed to interface with existing supply chains
- Increase return ratio and warehousing savings with a collapsible, stackable container design
- Eliminate risk of rust contamination and operator safety hazards
- Enable easy handling and maintenance on site
- Eliminate packaging disposal by reusable, recyclable designs

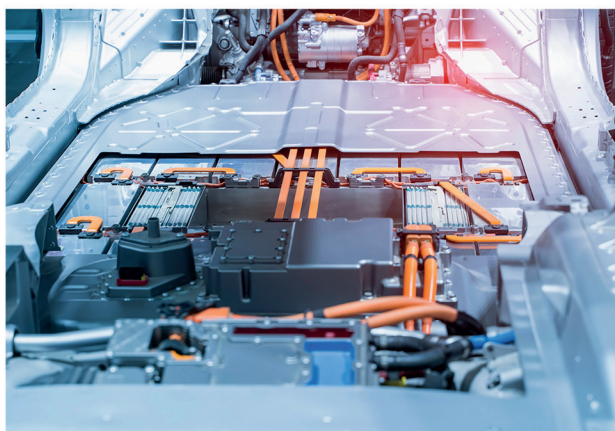


# Qualified Consulting By Certified Dangerous Goods Experts



We support you through the whole process...

...from development to certification of your packaging solution.



- Based on standard European footprints
- Customised protective dunnage for part protection
- Qualified consulting and engineering expertise
- Comprehensive testing of the entire packaging
- UN-certification for solid dangerous goods
- Buyback option for obsolete containers

## Cost and resource savings across the entire life cycle

- ⚙️ Long service life due to production process and all-plastic design
- 🌿 Reduction of CO<sup>2</sup> emissions by 60-70 kg per load carrier\*
- 📊 Fold-down-ratio up to 1 : 2\*\* - Reducing the costs for return shipment by up to 50%
- 📦 Space savings due to stackable design when loaded: up to 1 + 5 static / 1 + 2 dynamic
- 🛡️ Up to 400 kg load capacity in accordance with RID/ADR, relatively low tare weight
- 💰 Buyback option for obsolete containers, 100% recyclability of plastic raw materials

\* according to a calculation with the Walmart Gigaton Calculator

\*\* depending on inner packaging solution

# Product Specifications: IonPak

**Specifications** (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 600/582		1000 x 1200 x 750/732	
		HDB1012-600 STR	HDB1012-582 R	HDB1012-750 STR	HDB1012-732 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1000 x 1200 x 600	1000 x 1200 x 582	1000 x 1200 x 750	1000 x 1200 x 732
Inside Dimensions (L x W x H)		913 x 1113 x 462	913 x 1113 x 462	913 x 1113 x 612	913 x 1113 x 612
Product Clearance		434	434	585	585
Collapsed Height		335	317	335	317
Nested Height		317	299	317	299
Container Capacity (kg)		400	400	400	400
Internal Volume to fill line (liters)		441	441	594	594
Weight (kg)		54	51	61	57
Fork Strap Thickness		18	18 (long side)	18	18 (long side)
Fork Tunnel Dimensions (W x H)	1000 Side	288 x 90	288 x 90	288 x 90	288 x 90
	1200 Side	288 x 90	289 x 72	288 x 90	289 x 72
Access Door Dimensions (W x H)	1000 Side	N/A	N/A	754 x 349	754 x 349
	1200 Side	820 x 274	820 x 274	820 x 349	820 x 349
Maximum Loaded Stack	Static	6 High	6 High	6 High	6 High
	Dynamic	4 High	4 High	4 High	4 High

Model		HDB1208-960	
Outside Dimensions (L x W x H)		1200 x 800 x 960	
Inside Dimensions (L x W x H)		1120 x 720 x 805	
Product Clearance		776	
Collapsed Height		354	
Container Capacity (kg)		400	
Internal Volume to fill line (liters)		625	
Weight (kg)		65	
Maximum Loaded Stack	Static	6 High	
	Dynamic	3 High	
Return Ratio		2.7:1	
Access Door Openings	Height	Long Side	465
		Short Side	465
	Width	Long Side	900
		Short Side	420
Fork Openings	Height	Long Side	79
		Short Side	102
	Width	Long Side	290
		Short Side	224
40' Container Quantities (w/o covers)	Collapsed	175	
	Assembled	50	
3m Truckload Quantities (w/o covers)	Collapsed	272	
	Assembled	102	

Container capacity: 400 kg (Acc.to RID/ADR/IMDG/IATA-DGR)  
900 kg for non dangerous goods

Compatible Top Cap	CHDB1012 Top Cap
Manufacturing Process	High Pressure
Material	HDPE
Outside Dimensions (L x W x H)	1013 x 1213 x 52
Inside Dimensions (L x W)	1007 x 1207
Weight (kg)	5.75

Compatible Top Cap	CHDB1208 Top
Manufacturing Process	High Pressure
Material	HDPE
Outside Dimensions (L x W x H)	1225 x 825 x 51
Weight (kg)	5.4

*Additional footprints and heights  
available upon demand.*

## Contact

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