

ORBIS IonPak®

Foldable Large Containers for Lithium-Ion Batteries

- Certified solution according RID/ADR
- Safe transportation and storage
- Durability and long service life
- High recyclability rate



UN4H2/Y/S*B



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. The transportation and packaging of 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 non-certified batteries, prototypes,
battery modules and batteries in equipment

How To Efficiently Package Lithium-Ion Batteries

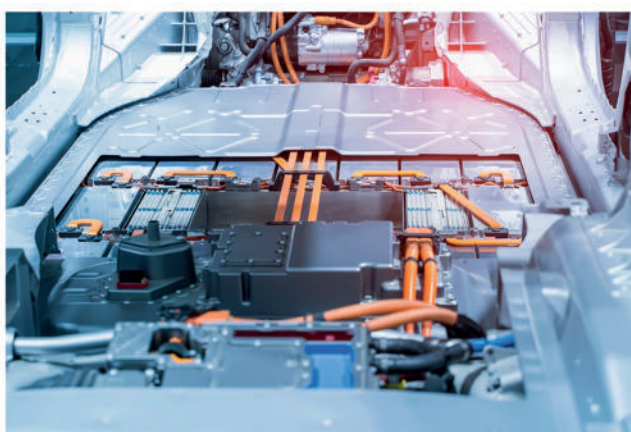
- Converting conventional steel/cardboard packaging to a collapsible, reusable plastic container
- Utilising industry standard footprints designed to interface with existing supply chains (1200 x 800 / 1200 x 1000)
- Increasing return ratio and warehousing savings with a collapsible and stackable container design
- Eliminating risk of rust contamination and operator safety hazards
- Enabling easy handling and maintenance on site
- Eliminating packaging disposal by reusable, recyclable designs

Qualified Consulting
By Certified
Dangerous Goods
Safety Advisors



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 CO² 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		1200 x 1000 x 600/582		1200 x 1000 x 998/980	
		HDB1210-600 STR	HDB1210-582 R	HDB1210-998 STR	HDB1210-980 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1200 x 1000 x 600	1200 x 1000 x 582	1200 x 1000 x 998	1200 x 1000 x 980
Inside Dimensions (L x W x H)		1113 x 913 x 462	1113 x 913 x 462	1113 x 913 x 860	1113 x 913 x 860
Product Clearance		434	434	834	834
Collapsed Height		335	317	335	317
Container Capacity (kg)		400	400	400	400
Internal Volume to fill line (liters)		441	441	847	847
Weight (kg)		54	51	73	69
40' Container Quantities (w/o covers)	Collapsed	168	168	168	168
	Assembled	84	84	42	42
3m Truckload Quantities (w/o covers)	Collapsed	234	234	234	234
	Assembled	130	130	78	78
Maximum Loaded Stack	Static	5 + 1	5 + 1	5 + 1	5 + 1
	Dynamic	3 + 1	3 + 1	2 + 1	2 + 1

Specifications (All dimensions in mm, unless otherwise indicated)

Model		1200 x 800 x 960
		HDB1208-960
Available Bottom Configuration		3 Runners
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
40' Container Quantities (w/o covers)	Collapsed	175
	Assembled	50
3m Truckload Quantities (w/o covers)	Collapsed	272
	Assembled	102
Maximum Loaded Stack	Static	5 + 1
	Dynamic	2 + 1

Specifications (All dimensions in mm, unless otherwise indicated)

Compatible Top Cap	CHDB1210 Top Cap
Manufacturing Process	High Pressure
Material	HDPE
Outside Dimensions (L x W x H)	1213 x 1013 x 52
Inside Dimensions (L x W)	1207 x 1007
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

ORBIS Europe
An der Hasenkaule 10
50354 Hürth, Germany

+49 2233 4729874
europe@orbiscorporation.com
www.orbiseurope.eu