



Solutions for  
li-ion batteries  
logistics

Product selection  
guide












# ELKOPLAST solutions for li-ion batteries



















ELKOPLAST provides a comprehensive portfolio of UN-certified safety solutions designed for the professional transport, storage, and recycling of lithium-ion batteries. Our engineering focuses on maximum durability and strict ADR compliance across all lithium-ion technologies, including LiFePO4.

Explore our range of solutions—from compact battery boxes to large-scale industrial units—engineered to meet the most demanding safety standards in the industry.

## Boxes & small containers (P-packagings / type 4AX/4AY)

	USB 150 LTH [4AY]	ASP 600 4AX	ASP 800 4AX
			
 Dimm. ext. [ l × w × h, mm]	1950 × 604 × 420	1200 × 1000 × 1060	1200 × 1000 × 1252
 Dimm. int. [ l × w × h, mm]	1500 × 500 × 217	1008 × 816 × 770	1008 × 816 × 962
 Tara [ kg]	100	200	225
 Netto [ kg]	110	400	400
 Brutto [ kg]	211	600	625
 Packaging group	II/Y, III/Z	I/X, II/Y, III/Z	I/X, II/Y, III/Z
 Packaging instr.	P903, P908, P909, P910		
 Spec. provisions	SP 188, 230, 310, 376, 377, 636, 670		
 Nr of locks	6	4	4
 Material	Steel		
 Surface treatment	industrial painting	hot-dip galvanizing	
 UN code	UN /Y211/S/**/CZ/CIM 5325/ ELKO	UN 4A/X600/S/**/CZ/CIM 7325/ELKO	UN 4A/X625/S/**/CZ/CIM 7325/ELKO

## Large containers & units (LP-packagings / type 50A)

	ASP 1500 50AX	ASP 1800 50AX	CellCont 1812 50AX	CellCont 3021 50AX
				
 Dimm. ext. [ l × w × h, mm]	1442 × 1199 × 1576	1461 × 1461 × 1302	1800 × 1200 × 900	3000 × 2147 × 998
 Dimm. int. [ l × w × h, mm]	1250 × 1050 × 1375	1300 × 1300 × 1100	1626 × 1026 × 610	2826 × 1969 × 708
 Tara [ kg]	320	362	381	850
 Netto [ kg]	1180	1238	1319	850
 Brutto [ kg]	1500	1600	1700	1700
 Packaging group	I/X, II/Y, III/Z	I/X, II/Y, III/Z	I/X, II/Y, III/Z	I/X, II/Y, III/Z
 Packaging instr.	LP903, LP904, LP905			
 Spec. provisions	SP 188, SP 230, 310, 376, 377, 636, 670			
 Nr of locks	4	4	10	14
 Material	steel			
 Surface treatment	hot-dip galvanizing		industrial painting	
 UN code	UN 50/X/**/CZ/CIM 6624/ELKO 2700/1500	UN 50/X/**/CZ/CIM 8025/ELKO 5760/1600	UN 50/X/**/CZ/ CIM 2626/ELKO 6120/1700	UN 50/X/**/CZ/CIM 5425/ELKO 6120/1700

### USB 150 LTH

- **Handling:** Can be handled by a forklift or crane using lifting eyes.
- **Lid:** Fully removable lid equipped with two handles for easy manipulation.
- **Sealing:** Flame-retardant gasket around the perimeter of the lid.
- **Labeling:** Mounting plates for ADR compliance labeling (stickers).
- **Documentation:** Document pocket.
- **Stackability:** Stackable 1+2.

### ASP 600-800-1500-1800 4AX/50AX

- **Lid mechanism:** Spring-assisted lid, equipped with a handle and lockable in open positions at 81 and 270 degrees.
- **Documentation:** Document pocket.
- **Assistance:** Springs for easy lid lifting.

### CellCont 1821-3021 50AX

- **Handling:** Can be handled by a forklift or crane using lifting eyes (empty container only).
- **Lid design:** Fully removable lid with built-in forklift pockets and crane lifting eyes for maximum handling flexibility.
- **Container body:** The container itself is equipped with forklift pockets and crane lifting eyes on all sides for effortless relocation.
- **Sealing:** Flame-retardant gasket around the perimeter of the lid.
- **Load securing:** Anchor points on the floor for cargo fixation.
- **Pressure relief:** Ventilation system to equalize potential overpressure.
- **Fire suppression:** Quick-connect filling coupling for flooding the container with water in case of fire.
- **Drainage:** Drain line equipped with a valve for water discharge.
- **Stackability:** Stackable 1+2.

# Selection guide



## Overview of Packaging instructions and Special provisions

Understanding the combination of Packaging instructions and Special provisions is key to legal compliance. While Packaging instructions (P/LP) define the physical requirements of the container and its internal protection, Special provisions (SP) specify the conditions under which these instructions apply—such as batteries intended for disposal, prototypes, or those that are damaged but not critical.

- 1. Standard transport:** focuses on new or intact batteries where standard safety protocols apply.
- 2. Defective & damaged:** requires enhanced protection (SP 376) to mitigate risks during transit.
- 3. End-of-life:** specifically tailored for collection and recycling streams (SP 377).

Battery status	Packaging instructions	Special provisions
<b>Boxes &amp; small containers [P- packagings]</b>		
<b>Lithium batteries (new/intact)</b>	P903	SP 188 (< 500 g / 100 Wh), SP 230, SP 636
<b>Defect batteries</b>	P908	SP 376
<b>Batteries for disposal</b>	P909	SP 377, SP 636, SP 670
<b>Prototypes (pre-production)</b>	P910	SP 310
<b>Large containers &amp; units [LP- packagings]</b>		
<b>Lithium batteries (new/intact)</b>	LP903	SP 188 (< 500 g / 100 Wh), SP 230, SP 636
<b>Defect batteries</b>	LP904	SP 376
<b>Prototypes (pre-production)</b>	LP905	SP 310

Our ELKOPLAST containers are engineered to exceed these requirements, providing a certified 'X' or 'Y' rated shell for even the most demanding packaging groups.

### Quick reference: Special provisions (SP)

- 1. SP 188 / 230:** Basic regulations for new or intact used batteries. SP 188 defines specific exemptions and simplified requirements for "small" batteries.
- 2. SP 310:** Regulations for the transport of prototypes and pre-production test series that have not yet passed the full UN 38.3 test sequence.
- 3. SP 376:** The key provision for damaged or defective batteries (refers to packaging instructions P908/LP904).
- 4. SP 377:** Regulations for batteries intended for disposal or recycling (refers to packaging instruction P909).
- 5. SP 636:** Permits the simplified collection of small batteries (up to 500 g) mixed with other waste, commonly used for retail collection points.
- 6. SP 670:** Specific conditions for the collection of lithium batteries from households, such as municipal collection centers or mobile waste collection.

### Why choose ELKOPLAST?

Choosing an ELKOPLAST container means investing in uncompromising quality and proven engineering excellence. Our solutions are not just storage units; they are precision-engineered safety shells designed to withstand the most demanding industrial environments. From the compact USB 150 LTH to the high-capacity CellCont 3021, every product in our portfolio is fully ADR-compliant and certified for specific Packaging groups (X or Y), ensuring maximum protection across all battery life cycles—including defective and damaged cells.

We utilize high-grade materials and superior surface treatments, including hot-dip galvanizing and heavy-duty industrial coating to guarantee long-term durability. With advanced security features like multi-point locking systems—featuring up to 14 locks on our largest units—we provide the regulatory certainty and peace of mind your battery logistics require.



Quality



Safety



Engineering



**ELKOPLAST CZ, s.r.o.**

Štefánikova 2664  
760 01 Zlín  
Czech Republic  
e-mail: [elkoplast@elkoplast.cz](mailto:elkoplast@elkoplast.cz)  
tel.: +420 575 571 000

