

# SAFETY CABINETS

FOR LITHIUM-ION BATTERIES MANAGEMENT

SMART SHIELD



# MAROLO

# NEW CHALLENGES BROUGHT BY Li-ION BATTERIES



The storage of medium-sized batteries poses many risks, as they are susceptible of igniting or exploding when kept in inadequate conditions. As such, lithium batteries are considered dangerous by the ADR and INRS, who published recommendations for the proper storage of batteries in order to protect goods and people.

As a response to these risks, insurance companies have also grown more demanding regarding the storage conditions of batteries, and business owners are now pushed to find adequate solutions to meet those standards.

## General guidelines for safe battery storage :

- The storage area must be fire-resistant or located at least 5m away from production areas
- The storage area must prevent heat accumulation and protect the batteries from any external heat source, including from direct sunlight.
- Used or damaged batteries must be kept away from traffic and production areas.
- The storage area must be continuously surveilled and protected by an adequate fire detection system.
- In the event of a fire, the extinction method must be chosen appropriately for the type of fire.



**MAROLO battery storage cabinets are the all-in-one solution to meet those requirements and stay protected**

## MANY SECTORS ARE IMPACTED :



**ELECTRIC MOBILITY**  
(E-bikes, scooters)



**LANDSCAPING**  
(Brush cutters, robot mowers)



**MARINE**  
(Electric engines)



**SAFETY**  
(Drones, computer hardware)



**INDUSTRY**  
(Trolleys, barcode readers, handheld tooling)

# SMART SHIELD STORAGE CABINETS

## FOR A FULL PROTECTION

1

### 120 MINUTES OF PROTECTION

Resistant to fire coming from inside or outside the cabinet

Key lock fire-proof door with locking indicator

Smoke detector and fire-damper with text message alert system\* (depending on model)



### CE COMPLIANT

Safety equipment designed according to European safety standards

EN61010-1 and NF EN14470-1, regarding fire-proof storage cabinets

EN 13501-1 and EN 1364-1 compliant

2

3

### SUPERIOR STORAGE CAPACITY

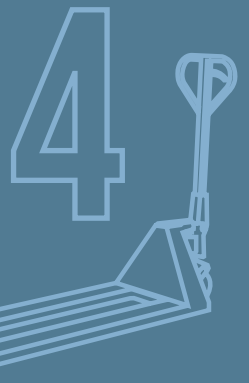
Spacious and ventilated storage (passive ventilation)

Perforated and repositionable shelving, no tools required

Large collection tray

### EASY TO EVACUATE

Designed to be easily moved using a pallet truck or forklift  
590 mm clearance between the feet, wide enough for most machines



5

### MODERN DESIGN

Easily fits within the SMART workshop furniture range

Built to be durable and easily repaired

### TECHNICAL SUPPORT

 Made in France

Manufacturer's warranty

Our team of qualified technicians takes care of mandatory verifications for you (upon installation, then once a year)

6

\* The text message function on the ALARM models requires a SIM card (provided by the customer) and access to a phone network.

Model shown below :  
**SMART SHIELD 750 XL - ALARM**  
 For the storage, charge of medium-sized batteries & warning



**MADE IN  
FRANCE**

## FEATURES

- 1 Key-locked door with locking indicator
- 2 Integrated smoke detector
- 3 Electrical equipment (included with models «CHARGE» and «ALARM»)
- 4 Ventilation circuit with fire-dampers
- 5 Repositionable perforated shelving. Capacity per shelf : 25 kg
- 6 Leak-proof high-capacity collection tray : 20L
- 7 Clearance for pallet trucks : 590 mm
- 8 Fire-proof insulation designed according to European standard EN 14470-1



Model	Ref.	Dimensions (ext.)			Dimensions (int.)			Power - Amperage	Pwr. Supply	Weight
		W (mm)	D (mm)	H (mm)	W (mm)	D (mm)	H (mm)			
Store	SH017599S	750	600	2000	615	450	1550	-	-	≈ 325 kg
Charge	SH017599C							5500 W - 24 A (Wired into a junction box) or 3600 W - 16 A (Plugged in using the standard plug)	230 V - 50 Hz - Single phase	
Alarm	SH017599A									

# PREVIEW OF THE RANGE

MODEL	REF.	STOCKAGE	CHARGE	ALARM TYPE
SMART SHIELD 750 XL «STORE»	SH017599S	✓	X	Smoke detector
SMART SHIELD 750 XL «CHARGE»	SH017599C	✓	✓ 10 electrical sockets	Smoke detector
SMART SHIELD 750 XL «ALARM»	SH017599A	✓	✓ 20 electrical sockets	Smoke detector with outside repeater + Flashing lights + Text message*

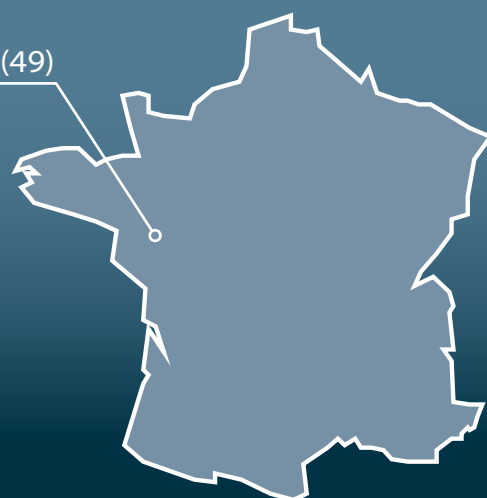
\* The text message function on the ALARM models requires a SIM card (provided by the customer) and access to a phone network.

## ABOUT US

Established in France in 1958, we specialize in the development, manufacture, and distribution of professional workshop equipment. From our headquarters in Cholet, we work in strong partnership with premium brands all over the world, such as BMW, HARLEY-DAVIDSON, YAMAHA, HONDA, HUSQVARNA, TRIUMPH, KAWASAKI, SUZUKI...

Equipment stamped «MAROLO» is recognized and chosen by professionals for its heavy-duty design, quality of construction, ergonomics and smartness. In our world, customer satisfaction always comes first, and our teams' strategy reflects this.

Cholet (49)





# MAROLO

**YOUR CONTACT :**

**MAROLO**

11, Boulevard du Cormier - B.P. 20753  
49307 CHOLET cedex - FRANCE

 +33 (0)2 41 29 29 29  
 [contact@marolotest.com](mailto:contact@marolotest.com)

**[WWW.MARLOTEST.COM](http://WWW.MARLOTEST.COM)**