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2024

PHOENIX

BATTERY

SAFES



phoenix
SAFE COMPANY LIMITED



*creating imaginative solutions...
...providing inspirational working environments*

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PHOENIX SAFE COMPANY is one of the oldest UK manufacturers of safes and security products and can trace its history back to Liverpool in 1799.



In 1986, when Phoenix Safe Co was formed the aim was to design and manufacture advanced fire resistant safes to protect the new wealth of data information being produced by computers. The vital importance and catastrophic consequences of the loss of this information demanded a new approach to fire protection.

We are now a world leader, manufacturing and distributing a wide range of state of the art safes to suit all requirements, ranging from residential to commercial security and fire protection.

We specialise in vital records protection for both paper and computer media. All of our fire resistant files and safes carry a life-time after-the-fire replacement warranty. We have an extensive range of traditional security safes also, designed to protect cash and valuables from £1,000 to £1m as well as a comprehensive range of Steel Storage products.

We welcome the opportunity to help you secure your most important items!

SYMBOLS KEY

-  KEY LOCK
-  ELECTRONIC LOCK
-  FINGERPRINT LOCK
-  FIRE PROTECTION
-  AFTER FIRE GUARANTEE
-  DROP TESTED
-  ALARM
-  ADDITIONAL LOCK OPTIONS
-  INSURANCE RATINGS

LOCKING INFORMATION & OPTIONAL EXTRAS	03
WHY USE PHOENIX BATTERY STORAGE SAFES	04
BS1280 SERIES BATTERY TITAN SAFES	06
BS0440 SERIES BATTERY FIGHTER SAFES	08
BS1930 SERIES BATTERY COMMANDER SAFES	10





KEY LOCKING Easy to use high quality key lock with up to 2,000 combination differs.

- 2 keys supplied with each key lock
- Mastered Key Lock available FOC at point of order (PL, CL, MC, CD & UL Series)
- Master Key available (sold separately)



ELECTRONIC LOCKING Advanced high security electronic lock is programmable with users own code which can easily be changed when required.

- 12 button keypad
- Clear LED display
- Dual control, hidden code and scrambled code that can be programmed as standard.
- The lock can further be upgraded to incorporate multiple user audit trail so that user's usage can be monitored.



FINGERPRINT LOCKING Advanced high security touchscreen keypad and fingerprint lock.

- 12 button keypad
- Clear LED display
- Battery Indicator and internal alarm
- Multi user codes, dual mode, hidden code and scrambled code that can be programmed as standard
- Supports up to 32 fingerprints.

OPTIONAL EXTRAS

PRODUCT	DESCRIPTION	PRODUCT CODE
BS1280 SERIES - BATTERY TITAN SAFES	BS1282 SHELF	SP1282/SHELF
	BS1283 SHELF	SP1283/SHELF
	INTERNAL LED LIGHT	SP1280/LEDPANEL
	CUT KEY - HIGH SECURITY PIN TIMBER (DIMPLE)	SP1280/CUTKEY
	KEY BLANK - HIGH SECURITY PIN TUMBER DIMPLE BLANK (MINIMUM ORDER QTY 5)	SPDIMPLEKEYBLANK
	APP BASED SAFE MONITOR FOR HEAT AND HUMIDITY	SPSAFEMONITOR
BS0440 SERIES - BATTERY FIGHTER SAFES	BS0441 / BS0442 SHELF	SP0441/SHELF
	BS0444 SHELF	SP0443/SHELF
	DRAWER CUT KEY - PIN TUMBLER	SP1900/DRAWERKEY
	CUT KEY - HIGH SECURITY PIN TUMBLER (DIMPLE) (BS0440K)	SPDIMPLEKEYNUMBR
	KEY BLANK - HIGH SECURITY PIN TUMBER DIMPLE BLANK (MINIMUM ORDER QTY 5)	SPDIMPLEKEYBLANK
	DUAL CONTROL (KEYLOCK AND ELECTRONIC LOCK)	SPDIPR3
APP BASED SAFE MONITOR FOR HEAT AND HUMIDITY	SPSAFEMONITOR	
BS1930 SERIES - BATTERY COMMANDER SAFES	BATTERY SHELF - BS1931/BS1932	SP1931/BATTSHLF
	BATTERY SHELF - BS1934	SP1934/BATTSHLF
	CHARGER SHELF - BS1931/BS1932	SP/1931/CHARSHELF
	CHARGER SHELF - BS1934	SP/1934/CHARSHELF
	ADDITIONAL PDU WITH 8 SOCKETS	SP1931/PDU8
	AUTOMATIC FIRE EXTINGUISHER BS1931/BS1932	SP1931/FIREEXT
	AUTOMATIC FIRE EXTINGUISHER BS1934	SP1934/FIREEXT
	FULL ALARM & FIRE SUPPRESSION SYSTEM BS1931/BS1932	SP1931/ALARM
	FULL ALARM & FIRE SUPPRESSION SYSTEM BS1934	SP1934/ALARM
APP BASED SAFE MONITOR FOR HEAT AND HUMIDITY	SPSAFEMONITOR	

WHY USE PHOENIX BATTERY STORAGE SAFES

Lithium-ion batteries power a wide array of products, from electronics and toys to handheld tools, appliances, electric vehicles, and energy storage systems.

The soaring demand for Lithium-ion batteries is primarily driven by their exceptional 'energy density.' This term refers to the amount of energy stored in a given space. Compared to other battery types, lithium batteries are smaller and lighter while holding the same energy capacity. This compact design has spurred a rapid rise in the adoption of portable and cordless products among consumers.

UNLOCK THE POWER OF SAFE LITHIUM-ION BATTERY USAGE

In an age driven by the convenience and reliability of lithium-ion batteries, it's vital to recognize and address the potential risks associated with their usage.

Lithium-ion batteries, hailed for their efficiency and durability, harbor a significant risk if handled improperly. Accidental drops or damage can trigger internal issues, paving the way for potential fires or explosions, particularly during the charging phase.

DELVING INTO BATTERY FIRE THREATS

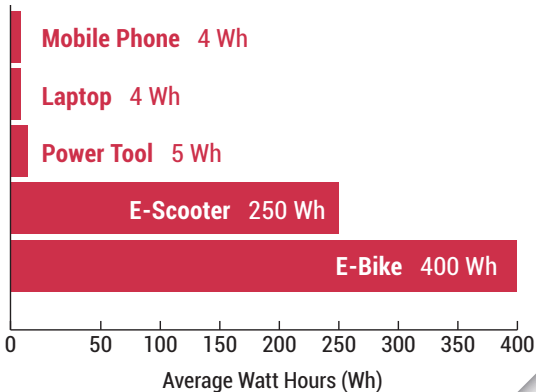
The spectre of a battery fire looms large, characterised by an intense and relentless combustion within the lithium-ion cell. These fires prove daunting to extinguish, fuelled by the fierce heat generated from chemical reactions within the battery. The rapid escalation of flames poses dangerous risks, compounded by the emission of harmful smoke and gases, sometimes escalating into explosions, especially during charging cycles.

Although lithium-ion batteries boast inherent safety features, lapses in handling or unfortunate accidents can escalate cell damage, heightening the fire risk. Strategic measures to avert such incidents encompass proper storage techniques, shielding from direct sunlight while charging, and adhering strictly to compatible charging protocols.

PROACTIVE STRATEGIES IN MOTION

Across Europe, regulatory bodies are mulling over stringent regulations concerning the storage of lithium-ion batteries to combat these inherent risks. Enter the Battery Safe – a stalwart defender compliant with European directives, designed to staunchly contain any potential fire outbreak, ensuring peace of mind and safety reassurance.

AVERAGE BATTERY CAPACITY





ELEVATING SAFETY WITH PHOENIX BATTERY SAFES

Should a battery fire occur, our battery safes, built with robust fire, impact, and security certifications, are designed to effectively contain and mitigate any potential damage to the surrounding environment.

Embrace the future of lithium-ion battery management with confidence, knowing that the Phoenix Battery Safes solutions stand out as steadfast guardians against unforeseen hazards, preserving both property and lives.



BS1281K



BS1283E



BS1282F

Discover **THE BATTERY TITAN SERIES**, expertly crafted to cater to both household and business needs, ensuring secure storage and efficient charging of Lithium-Ion batteries.

Rechargeable batteries come with inherent risks, such as thermal runaway caused by temperature spikes, impact mishaps, or manufacturing defects. This jeopardises safety, potentially leading to battery fires that are hard to extinguish, posing severe threats to life and property.

Opt for the Battery Titan Series for unparalleled peace of mind, boasting a sturdy double-wall design that is fire, impact, and security certified. Choose from three different sizes featuring either key or electronic locking systems, integrated smoke detectors, and built-in power outlets.

Our safes are engineered for easy concrete floor anchoring, equipped with convenient key hooks and pull-out drawers for storage. Plus, find added flexibility with a height-adjustable shelf included in the larger models.

FEATURES

- Safe battery storage & charging
- Fire and security protection
- Robust steel construction
- Key or electronic locking
- Pull-out draw and key hooks with shelf on BS1282/3 models
- Smoke detector & alarm

MODEL NUMBER	LOCKING OPTIONS	COLOUR	EXTERNAL DIMENSIONS H x W x D	INTERNAL DIMENSIONS H x W x D	DOOR SWING/ HANDLE DEPTH	WEIGHT	CAPACITY	SHELVES	DRAWER	INTERNAL KEY HOOKS
BS1281	K/E/F	●	360 x 410 x 365mm	260 x 320 x 235mm	350mm/40mm	28kg	19 Litres	0	1	4
BS1282	K/E/F	●	410 x 450 x 430mm	320 x 260 x 305mm	325mm/40mm	34kg	25 Litres	1	1	4
BS1283	K/E/F	●	515 x 400 x 440mm	410 x 300 x 300mm	375mm/40mm	53kg	36 Litres	1	1	4

The internal drawer reduces internal height by 50mm. All weights are for the product only and does not include the packaging.



SPECIFICATIONS

- **SUITABLE FOR** – The storage and charging of the following battery types – power tools, garden tools, drones, laptop, mobile phone, plus your standard household rechargeable batteries AAA, AA, Type C, Type D, 9V. E-bikes and scooters (BS1283 only).
- **SMOKE DETECTOR/ALARM** – Fitted with internal smoke detector and external, wireless alarm.
- **CHARGING** – Safely charge your Lithium batteries using the fitted power points – BS1281, 1 Double PDU, 2 sockets, BS1282, 1 Double PDU, 2 sockets, BS1283, 2 Double PDUs, 4 sockets.
- **WARNING LABELS** – Fitted with warning label in accordance with ISO 3864 and ISO 7010, as well as the European directive 92/58/EEC
- **DROP TEST** – Fire and impact tested from 9.1 metres for resistance to the impact of falling through the burning floors of a building.
- **CONSTRUCTION** – Double wall construction with internal fill of our patented Styronite F insulation, provide a cabinet of great strength and fire/heat resistance.
- **LOCKING** – Available with key, electronic or fingerprint lock options.
BS1280K – Fitted with a high-quality key lock supplied with two keys.
BS1280E – Fitted with an advanced high security electronic lock with scrambled code as standard.
BS1280F – Fitted with an advanced high security touchscreen keypad & fingerprint lock with clear LED display, internal alarm, dual control, hidden code and scrambled code that can be programmed as standard with up to 32 fingerprints.
- **FIRE PROTECTION** – Tested and certified to the international NT Fire 017-60 standard.
- **SECURITY PROTECTION** – The safe is recommended for an overnight cash risk of £2,000 or £20,000 valuables*.
- **FIXING** – Ready prepared for floor fixing, with fixing bolts for concrete floors supplied.
- **FEATURES** – All models are supplied with internal smoke detector and four internal key hooks and a pull-out drawer. Models BS1282 & BS1283 also benefit from a height adjustable shelf.
- **COLOUR** – Finished in a high-quality scratch resistant white paint RAL9003.



OPTIONAL FEATURES

- **Bright internal LED light**
Illuminates the interior of the safe (BS1280E only).
- **SP Safe monitor**
For enhanced safety, the cabinet can be fitted with internal temperature and humidity monitor, that links to a mobile phone App and alerts you if the maximum set temperature is breached.

* Ratings are approximate only and may vary due to area conditions and location. Please check with your underwriter.



BS0441K



BS0444F



BS0442E

Explore the **BATTERY FIGHTER SERIES**, meticulously designed to meet the demands of both residential and commercial settings, ensuring reliable storage and effective charging of Lithium-Ion batteries.

Rechargeable batteries carry inherent risks, notably thermal runaway triggered by temperature fluctuations, impacts, or production flaws. These risks imperil safety, potentially leading to hard-to-extinguish battery fires that pose serious threats to lives and property.

Select the Battery Fighter Series for unparalleled peace of mind, featuring a robust double-wall construction that is fire, impact, and security certified. Choose from three size variations with key or electronic locking mechanisms, integrated smoke sensors, and power outlets incorporated.

Our safes are engineered for effortless concrete floor installation, equipped with user-friendly shelves, key hooks, and pull-out drawers for optimal storage convenience.

FEATURES

- Safe battery storage & charging
- Fire and security protection
- Robust steel construction
- Key or electronic locking
- 1-3 shelves with pull-out drawer & key hooks.
- Smoke detector & alarm

MODEL NUMBER	LOCKING OPTIONS	COLOUR	EXTERNAL DIMENSIONS H x W x D	INTERNAL DIMENSIONS H x W x D	DOOR SWING/ HANDLE DEPTH	WEIGHT	CAPACITY	SHELVES	DRAWER	INTERNAL KEY HOOKS
BS0441	K/E/F	●	640 x 500 x 500mm	510* x 375 x 330mm	440mm/40mm	93kg	63 Litres	1	1	3
BS0442	K/E/F	●	820 x 520 x 520mm	670* x 380 x 330mm	460mm/40mm	120kg	84 Litres	2	1	3
BS0444	K/E/F	●	1160 x 655 x 560mm	980* x 475 x 350mm	570mm/40mm	228kg	163 Litres	3	1	5

This information is provided as a guide only. Actual capacities may vary depending on the storage method or shelving used.

*The internal drawer reduces internal height by 95mm. All weights are for the product only and does not include the packaging.



SPECIFICATIONS

- **SUITABLE FOR** – The storage and charging of the following battery types – power tools, garden tools, e-bikes/scooters, drones, laptop, mobile phone, plus your standard household rechargeable batteries AAA, AA, Type C, Type D, 9V.
- **SMOKE DETECTOR/ALARM** – Fitted with internal smoke detector and external, wireless alarm.
- **CHARGING** – Safely charge your Lithium batteries using the fitted power points – BS0441, 2 Double PDUs, 4 sockets, BS0442, 3 Double PDUs, 6 sockets, BS0444, 4 Double PDUs, 8 sockets.
- **WARNING LABELS** – Fitted with warning label in accordance with ISO 3864 and ISO 7010, as well as the European directive 92/58/EEC
- **DROP TEST** – Fire and impact tested from 9.1 metres for resistance to the impact of falling through the burning floors of a building.
- **CONSTRUCTION** – Double wall construction with internal fill of our patented Styronite F insulation, provide a cabinet of great strength and fire/heat resistance.
- **LOCKING** – Available with key, electronic or fingerprint lock options.
BS0440K – Fitted with a high-quality key lock supplied with two keys.
BS0440E – Fitted with an advanced high security electronic lock with scrambled code as standard.
BS0440F – Fitted with an advanced high security touchscreen keypad & fingerprint lock with clear LED display, internal alarm, dual control, hidden code, and scrambled code that can be programmed as standard with up to 32 fingerprints.
- **FIRE PROTECTION** – Tested to Swedish NT Fire 017-90 Paper (BS0441 & BS0442), NT Fire 017-120 Paper (BS0444), providing up to 120 minutes fire protection for paper documents.
- **SECURITY PROTECTION** – The safe is recommended for an overnight cash risk of £2,500 or £25,000 valuables*.
- **FIXING** – Ready prepared for floor fixing, with fixing bolts for concrete floors supplied.
- **FEATURES** – All models are supplied with internal key hooks and a pull-out drawer. All models also benefit from height adjustable shelves.
- **COLOUR** – Finished in a high-quality scratch resistant white paint RAL9003.



OPTIONAL FEATURES

- **SP Safe monitor**
 For enhanced safety, the cabinet can be fitted with internal temperature and humidity monitor, that links to a mobile phone App and alerts you if the maximum set temperature is breached.

* Ratings are approximate only and may vary due to area conditions and location. Please check with your underwriter.



BS1931K



BS1934F



BS1932E

The **BATTERY COMMANDER SERIES** is constructed to safeguard both lives and property from the potentially catastrophic consequences of Lithium battery fires. Providing a secure storage and charging solution tailored for a substantial quantity of Lithium-Ion batteries, these units mitigate the myriad risks posed by such batteries, including thermal runaway due to temperature fluctuations, impact, or manufacturing defects. Such hazards can lead to spontaneous ignition and formidable fire outbreaks that pose significant challenges for extinguishment.

The Battery Commander Series ensures peace of mind through its sturdy double-wall construction, certified for fire resistance, impact resistance, and security.

Customers can select from three size options, each offering either key or electronic locking mechanisms, integrated smoke detectors, robust shelving, and built-in power outlets. Furthermore, this range includes a plinth for effortless relocation and removal from the premises in case of a fire emergency.

FEATURES

- Large volume Lithium-Ion battery storage & charging
- 90 minute fire protection
- Robust steel construction
- Key or electronic locking
- Internal temperature monitor
- Heat protected ventilation
- Heavy duty shelving
- Smoke detector & alarm

MODEL NUMBER	LOCKING OPTIONS	EXTERNAL DIMENSIONS H x W x D	EXTERNAL CABLE BOX	INTERNAL TRUNKING	INTERNAL DIMENSIONS H x W x D	DOOR SWING/HANDLE DEPTH	WEIGHT	CAPACITY	SHELVES	DOORS
BS1931	K/E/F	1245 x 690 x 650mm	Adds 100mm (D)	Adds 25mm (H)	980 x 510 x 440mm	650mm/40mm	300kg	220 Litres	2	1
BS1932	K/E/F	1770 x 690 x 650mm	Adds 100mm (D)	Adds 25mm (H)	1505 x 510 x 440mm	470mm/40mm	400kg	338 Litres	3	1
BS1934	K/E/F	1770 x 1125 x 650mm	Adds 100mm (D)	Adds 25mm (H)	1505 x 945 x 440mm	560mm/40mm	590kg	626 Litres	3	2

This information is provided as a guide only. Actual capacities may vary depending on the storage method or shelving used.

+ The internal drawer reduces internal height by 95mm. All weights are for the product only and does not include the packaging.



SPECIFICATIONS

- **SUITABLE FOR** – The storage and charging of the following battery types – power tools, garden tools, e-bikes/scooters, drones, laptop, mobile phone, plus your standard household rechargeable batteries AAA, AA, Type C, Type D, 9V.
- **FIRE PROTECTION** – Tested to EN14470-1 (part 1) for 90 mins.
- **CHARGING** – Safely charge your Lithium batteries using the fitted power points – 4 Double PDUs, 8 Sockets, option to add a further 3 power blocks to the pre-wired control boxes.
- **VENTILATION** – Fitted as standard with air ventilation ducts, these ducts are heat protected by a thermal fuse that triggers at 75°C. This seals the unit in the event of an internal battery fire or external building fire. For added ventilation, an external extraction fan can be connected to the top exit vent duct, for forced extraction, this is highly recommended to prevent the build up of heat whilst charging.
- **INTERNAL TEMPERATURE MONITOR** – For safety the cabinet comes as standard with an external temperature display, this gives an accurate internal temperature reading and early warning of a potential issue with a battery over heating.
- **AUTOMATIC DOORS** – Each door is fitted with auto closing and auto locking function so the safe is always securely closed and sealed in the event of a fire.
- **WARNING LABELS** – Fitted with warning labels to in accordance with ISO 3864 and ISO 7010, as well as the European directive 92/58/EEC.
- **DROP TEST** – Fire and impact tested from 9.1 metres for resistance to the impact of falling through the burning floors of a building.

- **MULTIPOINT LOCKING** – Fitted with an advanced multipoint locking system that securely seal the doors. Even in the event of the most severe battery explosion, the doors will remain securely closed.
- **CONSTRUCTION** – Double wall construction with internal fill of our patented Styronite F insulation provide a cabinet of great strength and fire/heat resistance.
- **LOCKING** – Key, electronic or fingerprint lock options.
BS1930K – Fitted with a high quality key lock with two keys.
BS1930E – Fitted with an advanced high security electronic lock with clear LED display, dual control, hidden code and scrambled code that can be programmed as standard. The lock can further be upgraded to incorporate multiple user audit trail so that user's usage can be monitored.
BS1930F – Fitted with an advanced high security touchscreen keypad & fingerprint lock with clear LED display, battery Indicator, internal alarm, multi user codes, dual mode, hidden code and scrambled code that can be programmed as standard with up to 32 fingerprints.
- **SHELVING** – Supplied with heavy duty perforated height adjustable shelves capable of carrying 100kg at a time. Fitted with an internal base sump as standard.
- **PLINTH** – to allow easy movability and removal from the building in the event of a fire situation. The plinth is supplied with a front cover to provide a neat exterior finish.

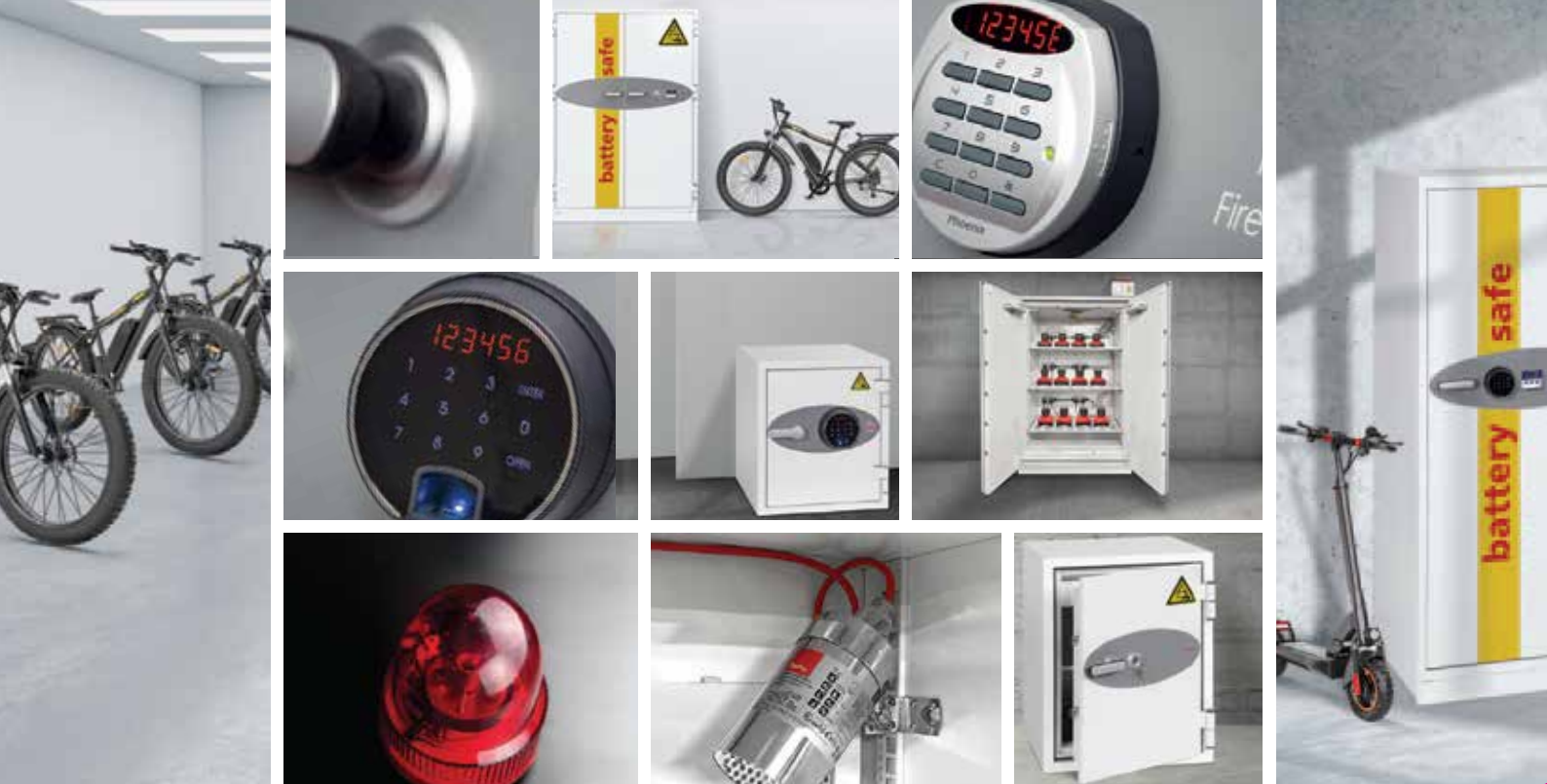
OPTIONAL FEATURES

- **SP Safe monitor**
For enhanced safety, the cabinet can be fitted with internal temperature and humidity monitor, that links to a mobile phone App and alerts you if the maximum set temperature is breached.
- **Fire Extinguisher**
Automatic condensed aerosol fire extinguisher unit
- **Controller**
Full alarm and fire suppression system






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