



LI-ION


SCRUBBER-DRYER LINE

LI-ION ENERGY+

MORE ENERGY, AND FOR LONGER

Discover all the advantages of Eureka floor cleaning machines powered by lithium-ion batteries.

Li-Ion Energy+

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Eureka Li-Ion Energy+ technology makes **cleaning easier and faster** for operators while also improving safety in the working environment. Lithium-ion power makes Eureka scrubber-dryers even **more efficient and productive**, defending the value of your investment over time.

By choosing Li-Ion Energy+ machines equipped with lithium iron phosphate LiFePO4 batteries, you are investing in a widespread technology that is ready to become your new ally in floor cleaning, in all sectors from professional services to challenging industrial applications.

The entire range of Eureka scrubber-dryers can now be ordered with Li-Ion Energy+ technology.

GREATER SAFETY

ON/OFF BUTTON



The on/off button deactivates all battery functions. Its use is recommended before long periods of inactivity to ensure the highest level of safety.

STAND-BY FUNCTION



After 10 days of continuous disuse, the battery automatically switches off to stay safe.

UN38.3 CERTIFIED



UN38.3 requires batteries to pass suitability tests for use in all types of transport and self-moving machinery.

METAL BATTERY MODULE



Each battery is contained within a metal battery module to provide protection against shocks that might otherwise render the battery inoperative or dangerous.

VENT VALVE



The vent valve is activated under hazardous conditions to prevent explosions or fires caused by the self-combustion of internal gases.

SAFE RECHARGING



A hermetic battery module and an on-board charger allow the battery to be recharged without having to move it to a dedicated area.

GREATER DURABILITY



1 Over 2,000 real charging cycles (4,000 theoretical cycles) are guaranteed, with no loss of performance over time. Lithium-ion batteries have the ability to maintain energy yield over time, a feature unmatched by other battery types.*

2 Partial and intermittent recharging are possible, and **batteries can be left on charge even for long periods** without any risk of damage. This means lithium-ion batteries are always ready for use when needed.

3 Unlike conventional batteries, lithium-ion batteries do not need to be 'refreshed' by partial recharges even after long periods of downtime.

4 A battery that lasts longer without maintenance is also far more environmentally friendly. This means less waste, lower disposal costs and greater savings in new battery purchases.

INCREASED PERFORMANCE OVER TIME



1 A dedicated display in the scrubber-dryer's control panel lets you **quickly monitor the battery's charge level**. The display shows remaining autonomy, any active alarms and the actual working time still available.

2 Each battery has a label bearing its serial number. This unique number allows all the checks and tests performed on each battery to be traced in order to ensure its performance and operational safety.

3 Charging can be speeded up using an external Fast Charger (optional).

4 Lithium-ion batteries are maintenance-free. This means less expense and machines that are always ready for use.

5 Lithium-ion batteries are lighter than any other type of battery on the market. This means reduced energy consumption and improved manoeuvrability.

*Performance guaranteed by following the manufacturer's charging instructions

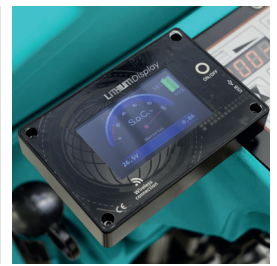
S.O.C. INDICATORS (STATE OF CHARGE)

Battery charge level can be read from five indicators that clearly show the percentage of charge remaining and the presence of any alarms. This information is also relayed to the display.



DISPLAY CONNECTOR

A dedicated display is installed on the machine's control panel. The screen displays battery charge level, charging stages and any battery malfunction alarms.



VENT VALVE

The battery has an overpressure vent valve. This ensures maximum battery safety by activating under hazardous conditions to prevent explosions or fires caused by the self-combustion of internal gases.



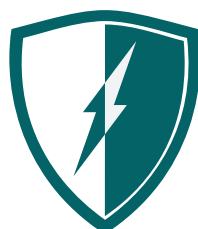
METAL BATTERY MODULE

Each battery is held inside an individual metal battery module. This ensures total protection against shock, preventing breakage or malfunctioning.



B.M.S. (BATTERY MANAGEMENT SYSTEM)

The BMS is the 'operations room' of the battery, and protects it from many types of mishap, including overcharging, overdischarging and charging and discharging overcurrents.



ON/OFF BUTTON

This button can be used to switch the battery off completely, deactivating all functionality. This operation is recommended if the battery is not going to be used for extended periods and before transport.



AVAILABLE FOR ALL EUREKA SCRUBBER-DRYERS



MODEL	BATTERY V - AH	AUTONOMY	RECHARGE TIME	WEIGHT	FAST CHARGER RECHARGE TIME (OPTIONAL)
E36	12 V-40 Ah	1 h 40 min	5 h 12min	5,5 Kg	1 h 40 min
E46	24 V-50 Ah	2h	4 h 30 min	14,5 Kg	2 h
E50-E55	24 V-50 Ah	2h	4 h 30 min	14,5 Kg	2 h
E51-E61	24 V-100 Ah	2 h 45 min	8 h	27,5 Kg	3 h 20 min
E71-E81	24 V-200 Ah	3 h 15 min	8 h 20 min	55 Kg	3 h 20 min
E65-E75-E83	24 V-200 Ah	4 h 30 min	8 h 20 min	55 Kg	3 h 20 min
E85	24 V-200 Ah	2 h 30 min	7 h	55 Kg	3 h 20 min
E100	24 V-300 Ah	3 h 45 min	10 h 30 min	82,5 Kg	3 h 20 min
E110-D	36 V-300 Ah	3 h 15 min	7 h	70 Kg	3 h
E110-R	36 V-400 Ah	4 h 20 min	10 h	105 Kg	2 h 40 min

APPLICATIONS

Lithium-ion batteries represent a significant innovation for scrubber-dryers.

Maximum benefits are achieved in intensive applications like **logistics, hospitals and schools, food industries, shopping centres, etc.**

Lithium-ion batteries are becoming the **preferred choice** of many companies that aim at excellence, and are especially appreciated by **cleaning companies** and those seeking efficient, safe and sustainable professional cleaning solutions.

Ideal operating contexts

- scrubber-dryers used for extended periods
- use of machines on multiple shifts in close sequence
- very large working environments
- companies without dedicated ventilated charging areas
- delicate surfaces or floors with load limits

Particularly suitable applications

- shopping centres
- hospitals and schools
- industry and logistics
- airports and railway stations
- food companies
- cleaning companies
- facility management



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