

TECHNICAL DATASHEET & SAFETY INFORMATION



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Rechargeable Li-ion battery for CA Asbest 2.0



Description

Rechargeable Li-ion battery for CleanAIR® Asbest 2.0 powered air-purifying respirators (PAPR).

Application

Compatible exclusively with CleanAIR® Asbest 2.0 PAPR unit.

Images are for illustrative purposes only and may not reflect product labelling.

DA-146 - 590013 - Rechargeable battery Asbest 2.0 [EN]

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Technical specification

Product code 590013

Weight	0.15 kg
Voltage / Capacity	7.26 V / 3.2 Ah (23.2 Wh)
Charging time	5 – 6 h
Operation time	Approx. 8 h (with a new P filter and a fully charged battery)
Battery lifespan	up to 500 charging cycles
Cells	2 × INR18650MH1
Chemistry	Lithium-ion (Li-ion)
Materials	Battery case: Polyamide (PA) Cells: Nickel compounds Cobalt compounds Manganese compounds Lithium compounds Electrolyte [proprietary]
Usable extinguishing agent	Water or water-based extinguishing agents (in large amounts for cooling)
Shelf life	5 years*
Storage conditions	-10 °C to +55 °C, 20–95% RH
Operating conditions	0 °C to +60 °C, 20–95 % RH
Charging conditions	0 °C to +40 °C, dry indoor environment

* Batteries may self-discharge during storage. To maintain battery condition, it is recommended to charge the battery for at least 1 hour every 3 months. For long-term storage, the optimal battery charge level is between 50% and 70% of its full capacity. After extended storage, perform three full charging cycles to restore the battery to its maximum capacity.

Transport information

Lithium batteries are subject to international transport regulations. Their classification determines the required packaging, labelling, and whether a Dangerous Goods Declaration is required.

Please refer to the following reference information for the specific transport mode:

Proper shipping name	Lithium ion batteries packed with equipment	Lithium ion batteries
UN code	UN 3481	UN 3480
Road	Class 9, code M4, special provision 188 ADR	
Sea	Class 9, code M4, special provision 188 IMDG	
Air	Class 9, Packing instruction 966 Section II, IATA DGR	Class 9, Packing instruction 965 Section IB, IATA DGR

Handling

- Do not open, dismantle or modify the battery.
- Do not attempt to access internal components.
- Do not mechanically damage the housing (crushing, puncturing, drilling or cutting).
- Do not expose the battery to fire or temperatures exceeding the specified limits.
- Do not use the battery if the housing is cracked, deformed or otherwise damaged.
- Protect electrical contacts from contamination and conductive materials.
- Do not short-circuit the terminals.
- Use only chargers and equipment approved by the manufacturer.
- Do not use the battery in equipment other than the specified PAPR unit.
- Remove the battery from service if overheating, unusual odor, discoloration or abnormal performance occurs.

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End-of-Life and Recycling

- **Waste batteries must not be disposed of as unsorted municipal waste.**
- **Waste batteries shall be delivered to designated separate collection points established by producers or producer responsibility organizations, or to collection systems operating in accordance with applicable national legislation.**
- Proper use and correct charging in accordance with relevant PAPR unit manual help extend battery service life and reduce waste generation.
- Avoid deep discharge, improper charging, mechanical damage and exposure to extreme conditions.
- By ensuring proper separate collection, end-users contribute to the safe treatment and recycling of waste batteries.
- Used or damaged batteries shall be handled with care.
- To prevent short-circuit, battery terminals should be insulated before disposal.
- Do not crush, incinerate or expose waste batteries to water or fire.
- Batteries containing lithium may present a fire risk if improperly handled.
- Batteries contain substances which may have adverse effects on the environment or human health if released due to improper disposal.
- Proper collection and recycling allow recovery of valuable materials and reduce environmental impact.

The EU Declaration of Conformity is available at: www.clean-air.cz/doc

Disclaimer Notice

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications. CleanAIR® products are not designed for, and may not be used in, all applications.