

# POWER SUPPLY MODULE FOR VEHICLES

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The invention refers to a solution for the integration of lithium batteries in cylindrical format, which allows to realize and use battery packs in both the automotive and industrial sectors.

**Protection:** International

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## INVENTION

In the last few years, the lithium battery became the central element of the mobility electrification process. The small cylindrical cells have to face challenges in integration: the proposed solution extends the use of cylindrical to large-sized applications, **overcoming the problems of integration and safety** currently existing,

The invention includes both the power supply module and the method for its assembling.

## ADVANTAGES

- Better performance in terms of energy density (for end-users);
- Good quality - price ratio;
- increase of the safety, the life of the pack and the reusability of the cells;
- Reduced risks for operators, assembly times and therefore production costs (for producers).

## APPLICATIONS

- Electric cars (BEV) and hybrid (HEV), from compact cars to high-end cars;
- Light and heavy commercial vehicles;
- Public transport vehicles and industrial and agricultural vehicles.

## CONTACTS

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