



Battery monitoring

Simple and mobile for greater safety

Challenge:

Lithium polymer batteries (LiPo batteries) are popular in model making because of their good weight-to-power ratio. They offer high power density, but carry risks such as puffing (swelling of the battery) and, in the worst case, thermal runaway.



This can lead to fires and significant damage to buildings and facilities, especially when charging is left unattended. Although such incidents are rare, the potential consequences are serious.

Previous safety solutions are usually integrated into batteries or devices. However, a universal, mobile solution specifically designed to monitor puffing has been lacking—until now.

The innovative security solution:

Our new safety device monitors both the swelling and the temperature of the battery – simple, effective, and independent of the location of use.



An adjustable strap is placed around the battery to fit its size.

- **Switch 1** monitors the swelling of the battery.
- **Switch 2** monitors the temperature of the battery.

Both switches keep the circuit closed under normal conditions.

As soon as the battery inflates or exceeds the defined temperature limit, the circuit opens and automatically locks against being switched back on. – the connection to the charger or consumer is immediately disconnected.

The device is universally applicable, compact, and can be used on the go at any time.

For **every safety-conscious model builder**, this gadget offers a simple and inexpensive way to charge batteries and prevent potential fire or property damage.



Property right buyers or licensees wanted!

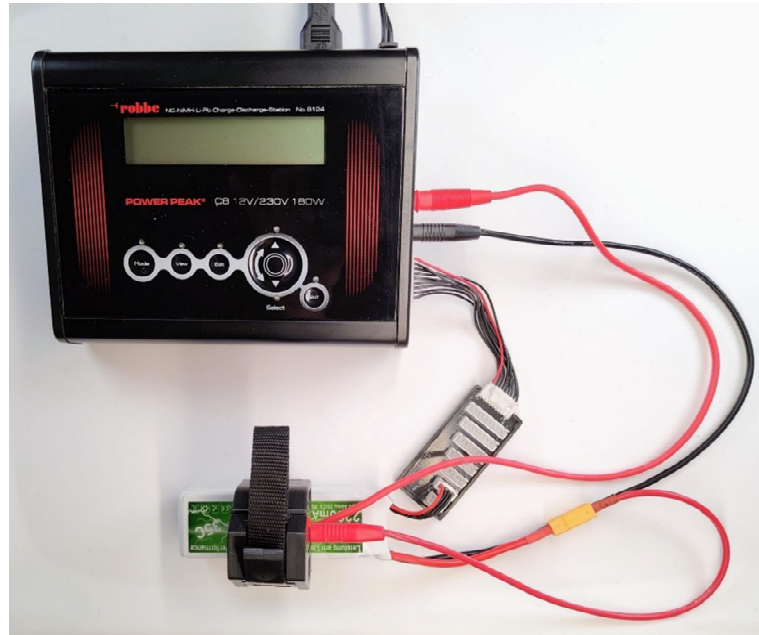


InvenComm GmbH
Im Grod 1
CH-6315 Oberägeri

Phone: 0041 (0) 43 4435472
Email: inven@invencomm.com
Web: www.invencomm.com

Your advantages at a glance:

- Universal and mobile use
- Mechanical safety – independent of electronics
- Reliable monitoring of puffing
- Temperature monitoring
- Compact and easy to use
- Cost-effective additional safety



A must-have for every model maker

Secure your workshop, your home, and your valuable equipment—with a simple and cost-effective solution that reduces real risks.

- ⇒ Innovation with unique selling points, protected by patent law
- ⇒ High customer benefit

More security. Less risk. A gadget that makes all the difference!

More Infos: <https://www.invencomm.com/erfindungen/inventions/battery-monitoring/index.html>



InvenComm GmbH
Im Grod 1
CH-6315 Oberägeri

Phone: 0041 (0) 43 4435472
Email: inven@invencomm.com
Web: www.invencomm.com

Your contact:

Dipl.-Ing. Thomas Dibke
CEO and Owner InvenComm GmbH
Phone: 0041 43 443 5472
thomas.dibke@invencomm.com

