

Lipo- heater box LHK36/MC Version 3.1

Protect your Lipo batteries against low temperature damages

Even during the cold seasons there are nice days where getting your chopper or plane ready is well worth it!

We developed this heater box to prevent Lipo- and Li- batteries from overload and premature aging caused by low temperatures. The box tempers the batteries at temperatures between ca. 20 - 40°C (adjustable), so that you can put maximum load on Lipo batteries even during the cold seasons.

Cold batteries on one hand only have a low load voltage (less output) and on the other hand they are damaged by high workloads. Using the Lipo - heater box will prevent this efficiently.

The box can be connected to a DC 12V adapter or a 12V car battery. Furthermore, a 3S Lipo-battery can be connected on the inside of the box. The Lipo-battery is protected by an intelligent electronic control system and which turns off the box in case of undervoltage. This way the box can be continuously used also at the airfield.

Perfectly suitable for the following application areas:

- Pre-tempers Lipo-battery
- Prevents premature aging
- Prevents damage to the Lipo- battery
- Lots of space for Lipo-battery

New Version 3.1

- Very good, improved isolation
- Improved packing
- Improved air ventilation
- Switch protection
- Improved electronics with sensor monitoring
- Voltage detection inside – outside



illustration 1

Product description:

The Lipo heater box LHK36/MC was created to warm up batteries used for RC devices during the cold season, to prevent damages, and to increase the output of the batteries.

The box well isolated and keeps the warmth at a constant temperature for a prolonged time, even when the power is disconnected. An intelligent control system regulates the temperature precisely. Temperature can be preselected between 20° and 40°C in 5°C increments with a button on the side of the box. In case you are using a 3S Lipo-battery to power your box, your box will be protected by an inbuilt Lipo-Saver. You will be alerted by beeps at intervals once the voltage reaches about 10.4 V. In case of an undervoltage of ca. 9.6 V, a beep informs you that the box will shut down. Afterwards only a current of about 1 mA flows so that the Lipo-battery will not get damaged.

A solar thermometer is installed in the lid of the box, indicating the temperature inside of the box. This way you get temperature information even when no source of electricity is connected.

Regulating temperature:



illustration 2

Kommentar [NM1]: Check German words inside of illustration:
 Recommendation:
 Stromanschluss: banana jacks (as requested)
 LEDs: LEDs
 Taster: button

Advices:

The Lipo heater box LHK36/MC is **not a** fire preventive box!

Do **under no circumstances** store your Lipo- or Li batteries in the box permanently and **without supervision!**

The box may not be operated **without supervision.**

Please keep in mind, that the Lipo-heater box LHK36/MC is **not** designed for permanent connection as soon as the Lipo-Saver is engaged on the battery side. As soon as the Lipo-Saver is engaged, a current less than 1,0mA flows. This would continue to put a load on the batteries in case of permanent connection and lead to an under voltage (**damage**) of the Lipo-battery.

All liability concerning the usage and application of the Lipo heater box LHK36/MC is declined. Swissrumpf is not present during usage. Improper use can neither be reviewed or prevented by Swissrumpf. Manipulation of the device (e.g. open or reversing polarity) automatically forfeits any warranty claim. Please refer to our terms of use, available on our website.

Manufacturer:



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