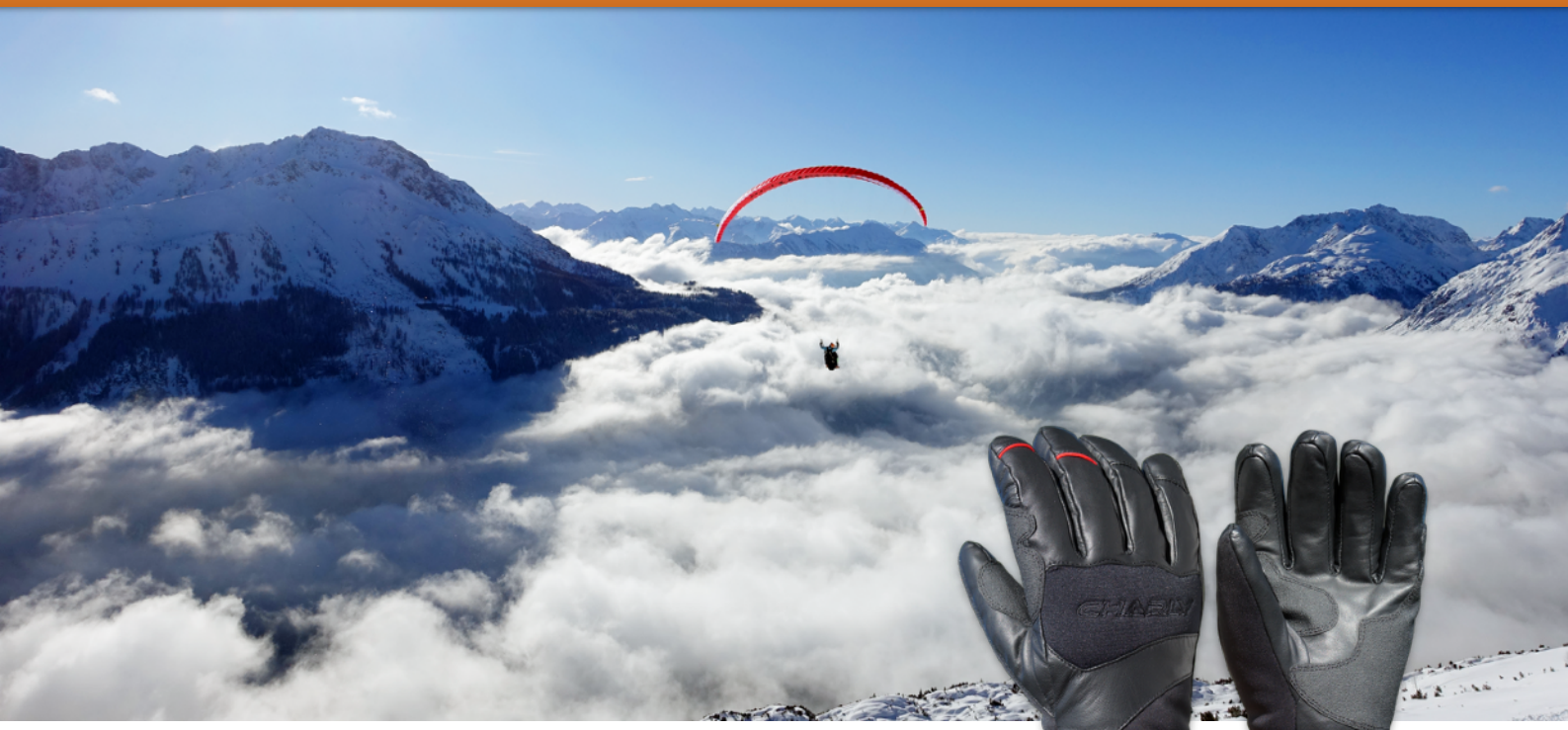
How good warm battery heated gloves?

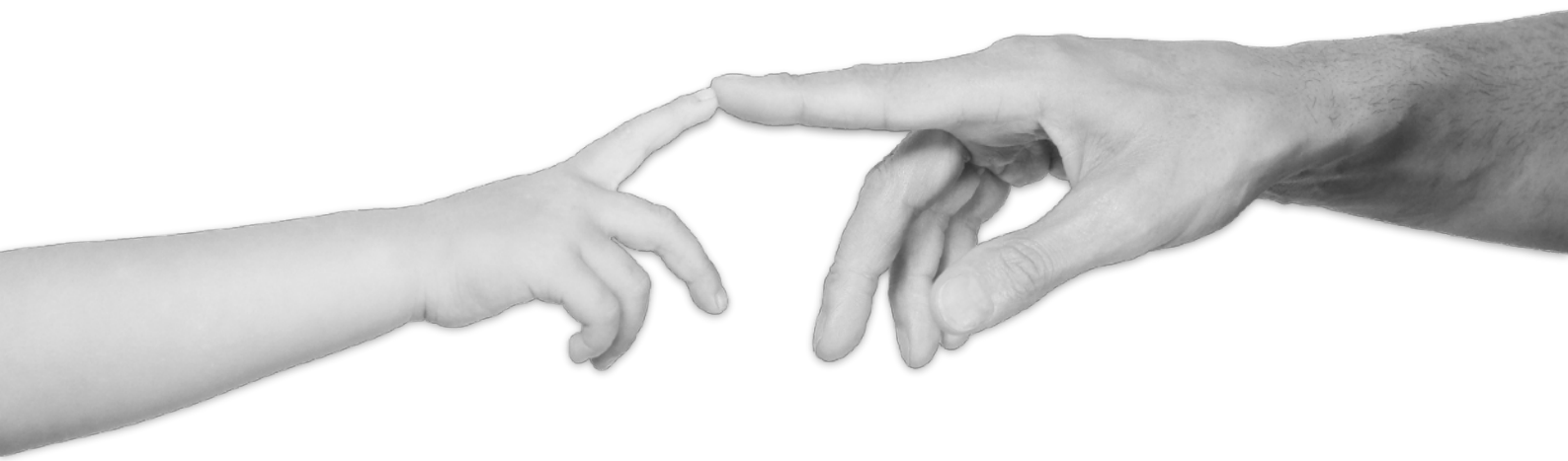


Measurement in winter 2017/2018

So far, only less heated gloves can convince with regard to heating capacity and heating time. Why is that so?

Manufacturers often promise a heating time up to 10 hours. This heating time can only be reached at the lowest heating level, which is, however, hardly perceptible when heating the fingers.

For warming cold fingers, it depends in addition on which surfaces are heated. It is unfavourable to heat the back of the hand, as a heated back of the hand causes a poorer blood circulation of the fingers. In the event of cold outdoor temperatures, the heat stimuli of the back of the hand are directed to the centre of the body and not away from the centre of the body into the cold fingers. As a result, these gloves have to be set to the highest heating level and nevertheless the fingers do not become really warm.



However, you don't have to give up warm fingers. We have optimised the positioning of the heating wires in our Charly gloves. Heating wires in Charly`s heated gloves can be found along the fingers. This leads to a higher temperature in the fingertips for the same battery power, which in turn leads to a warming of the entire hand. Also thin, sensitive gloves without insulation material can protect the fingers from getting cold by this heating technology, as the Charly LI-ION LIGHT demonstrates.

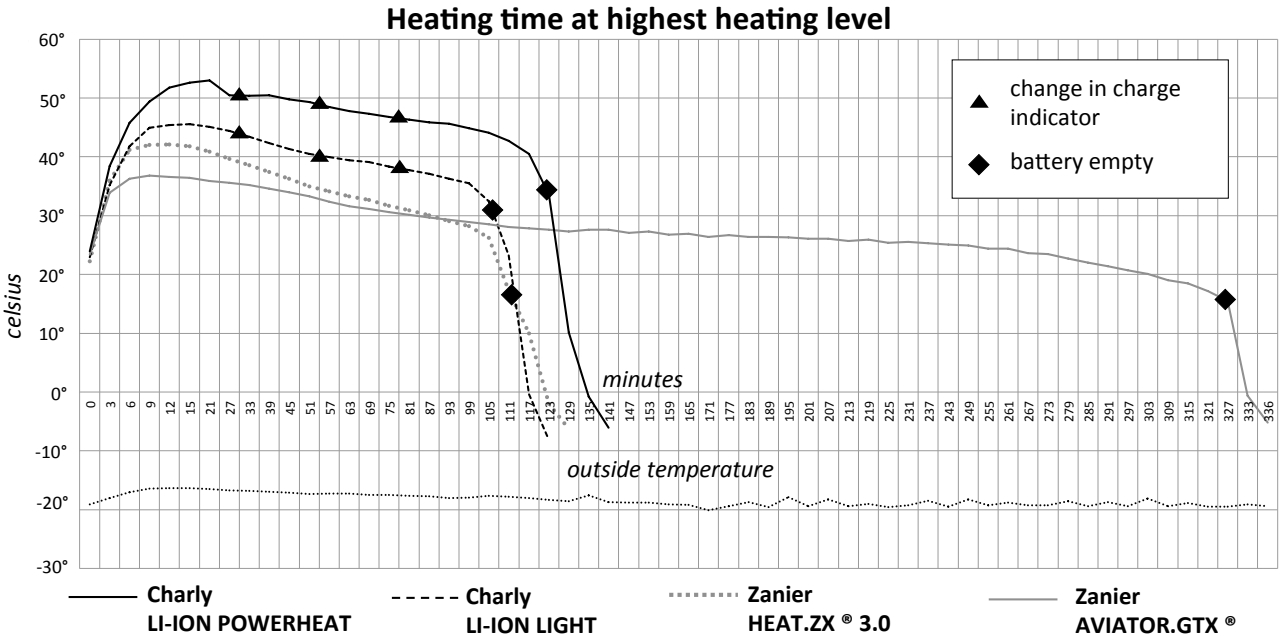
Charly LI-ION POWERHEAT

Charly LI-ION LIGHT

Zanier HEAT.ZX® 3.0

Zanier AVIATOR.GTX®

With our comparison test, we measure especially the temperatures of the fingers. Sensors are positioned in the middle finger 1 cm in front of the fingertip and the lukewarm gloves are cooled in a refrigeration chamber at minus 20° degrees. At the beginning of the measuring, the batteries are fully charged. The diagram shows the average of three measurements for all gloves at the highest heating level.



Summary: As the Zanier AVIATOR has twice as many batteries as other gloves, it heats very long. The Charly gloves prevent cold fingers by an optimised positioning of the heating wires. A significantly higher temperature is reached at the fingertips. By switching back to a lower heating level according to the charge indicator, the heating time can be considerably extended, if necessary.

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