

Press information

Recharge while having a break!

Q-mo Solar presents the first touring ski with integrated solar power station

Munich, February 5, 2010 – Q-mo solar, a start-up business from Berlin, Germany, is presenting a world premiere at ispo 10, from February 7 to 10. At the Wearable Technologies Show, core theme of ispo vision in hall B1, the prototype of the first Solar Ski – a Ski with integrated solar modules – is presented. Q-mo solar is an aspiring manufacturer of sensational high-capacity solar modules for the sporting goods industry. The extremely small and robust modules have the triple capacity of conventional thin-film modules. Especially his power density is what distinguishes the young company from its competitors.

Imagine you're on a ski tour and your cell phone runs low due to the cold. Without a socket or a large foldable solar module, until now there was no possibility to re-establish the connectivity to the phone. Thanks to Q-mo solar's integrated solar modules, you can plug your cell phone into your touring ski and already after one hour it will have enough power for a 40 minutes phone call. Thereby, the cold is, in contrast to batteries, even a benefit as the permanent cooling extracts the highest efficiency out of the modules.

In cooperation with Fischer Ski, a fixture for a solar module was pressed into the prototype of the new touring ski. The ultra flat and very light module nestles to the ski perfectly, thanks to its flexibility – which means there are no weight or performance restrictions at all.

The module is very robust, insensible to coldness and using integrated highly efficient electronics, the module can not only be used as recharger for cell phones, but also for all established consumer electronic devices between 4 and 6 Volt.

Overview - technical data:

Fischer Ski with integrated solar module:

With full insolation 1000W/m²:

- Nominal power output of solar module : 850mW (peak)
- Actual power output : ca. 650mW (peak)
- Charging current in 4-5V device (e.g. with Li-ionic accu): ca. 130 – 160mA
- 1 hour solar charge produces ca. 40 minutes of talking time for a standard cell phone with average sending output
- Full charge of a empty standard cell phone battery in ca 5-6hours

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