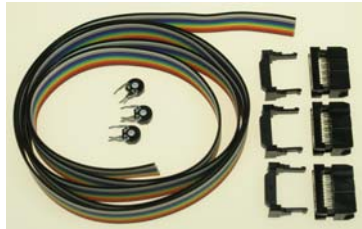
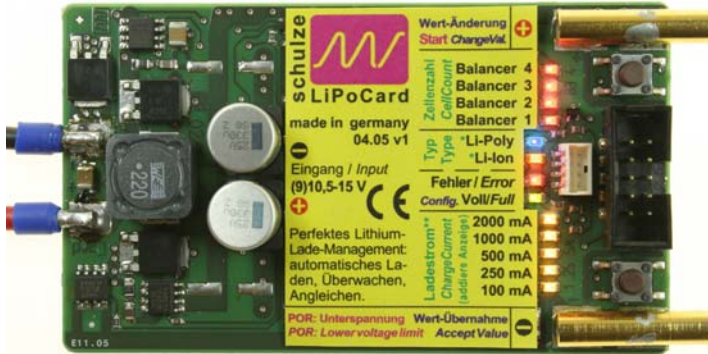


New Products 2005

www.schulze-elektronik-gmbh.com
Prenzlauer Weg 6
64331 Weiterstadt • Germany

The **Schulze LiPoCard** is the ultimate Lithium battery charger, setting new standards in the charging of Lithium batteries. There is no simpler or more effective method.

- > This charger features an **integral Balancer**, i.e. it comes at **no extra charge**.
- > **Automatic "Plug & Play"** charging in conjunction with the **BalCab10** balancer lead.
- > The **most powerful charger** in its class: with its generously dimensioned Buck / Boost converter it is capable of charging **1 to 4 cells at 3.85 A**, i.e. up to **65 Watts charge power @ 12 V input!**



Schulze BalCab10-Set 6,60 Euro

Kit for making three balancer leads for automatic charging

Schulze LiPoCard 79 Euro

In preparation: **Schulze LiPoBal08** and **LiPoBal14**. Genuine balancers

New technology for eight and fourteen Lithium cells respectively. These balancers match individual cell voltages to each other from the start of the charge process, i.e. they are much more than simple full voltage limiters. The balancers work on the same principle as the LiPoCard. The result: faster matching of cell voltages, faster full detection, reduced heat generation.

This is a real advantage compared to the many "balancers" currently available commercially, which in fact are really just "limiters", as they simply **limit** the cell voltage to a "Full voltage" defined by the manufacturer of the unit; in any case they often have insufficient capacity to do the job properly.

Schulze LiPoBalancers can be connected to any Li-Ion or Li-Poly battery consisting of two or more cells, and, to the best of our knowledge, are compatible with all Lithium chargers currently available commercially. In conjunction with the Schulze **BalCab10** or **BalCab20** balancer cables and a looped-in charge lead these units provide a safety feature which "disconnects" the cells from the charger automatically if the cell voltage threatens to exceed the battery-specific maximum permitted value (note: this value is higher than the "full" detect value), and cannot be corrected by the **Schulze LiPoBalancer**.

Note: some "safety circuits" are incorrectly designed, and allow the converter voltage to rise to 60 V if the safety system is not triggered, thereby wrecking the balancer. This does not occur with the **Schulze LiPoBalancer**.

Schulze alpha-8.35 /-8.40 and **Schulze alpha-5.35 /-5.40**

alpha 8.xx and **alpha 5.xx**: our "alpha point" receivers now include many new features: they are now compatible with Futaba "non-standard characteristics": Synthesizer transmitter module mode, HRS mode (in preparation - free download from our website). Improved power supply buffering, reduces interference risk with inadequately dimensioned airborne power supplies and wiring systems.

Fully programmable via PC: fail-safe, with separately variable hold time for each channel, travel limiting, mixers, channel assignment.

alpha 5 now with 4 + 1 channels: can be configured by jumper as: 1, 2, 3, 4 + (5) or 1, 2, 3, 5 + (4) (channel in brackets: only earth and signal pins available). Same high-performance micro-processor as in the alpha 8.xx, with consequent reduced servo jitter and increased travel resolution. Channel assignment (e.g. can be configured to channel 9 - 12).

alpha 5.xx 50, **alpha 8.xx** 68 Euro

