

## *Press Release*

### **S-8215A/B Series Secondary Protection for 4S or 5S Battery Pack**

The S-8215A/B Series is aimed at secondary battery protection for lithium-ion rechargeable battery packs incorporate high-accuracy detection and delay circuits and is ideal for 5-serial-cell-battery protection but can be easily changed with a single jumper to accommodate 4-serial-cell-battery packs. The overcharge detection voltage range is from 3.6V...4.7V in 50mV increments, with an accuracy of +/-25mV. The S-8215A series features a very low current consumption of 3.0microA max. at cell voltages 1.0V below Overcharge Detection Voltage and only 1.7microA max. at 2.3V cell voltage. Whereas the S-8215B version has an IC Pin Disconnection Feature, which enhances the battery pack safety noticeable, a highly requested feature for power tool applications. In case of a Pin-Disconnection-Detection this function activates the CO output pin which leads to the same action as if overcharge would have been detected and the charging process can be terminated. This device as a secondary protection IC matches well with the S-8205 lithium-ion battery protection IC that is also made for 4 or 5 cell battery packs. A common application note, data sheets and samples of the protection ICs are available on request. The IC is offered in small packages SNT-8A and TMSOP-8.

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