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Charging IC Information

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Charge Controller IC Information

- **Use the one chip solution : Charge Controller + Protection Controller**

- **Current cut-off is a bit more accurate than Voltage cut-off**

Current Method

- **Texas Instruments Charging IC : Model #bq24205**

  http://focus.ti.com/docs/prod/folders/print/bq24205.html

- **Linear Technology Charging IC : Model #LTC4054L-4.2**

  http://www.linear.com/prod/datasheet.html?datasheet=992

Voltage Method

- **On-Semiconductor Charging IC : Model #NCP1800 series**

  http://www.onsemi.com/site/products/summary/0,4450,NCP1800,00.html

- **Seiko Instruments Charging IC : Model #S-8261 series**

  http://speed.sii.co.jp/pub/compo/ic/en/product1.jsp?catID=5&recordID=379

Standard Charge Method

• **We recommend to insure optimal performance of the Li-ion Battery**

Charging Method	Constant Current / Constant Voltage (CC/CV)
Charging Voltage	4.20V Max.
Charging Current	Standard 1 CmA
Termination Current	0.1 to 0.05 CmA
Charging Time	2.5 ~3 hrs
Charging Temperature	0°C to + 45°C

* **Low Voltage Battery Charge**
: When the voltage is 2.9V or less, charge using a charge current of 0.1 CmA or less.
(Required in Charger)

** Note that there will be some degree of variation for each individual battery.

※ *The discussion above assumes a single cell battery. Please contact us for your specific charging requirements.*

Typical Charging Algorithm