

Intuitive Power Management (IPM)™  
 Battery Chemistry Acknowledgement Software  
 August 8, 2003

## Features

- **Chemistry Independent Performance (using only BAT+, BAT- and THERM contacts)**
  - Lithium Ion
  - Nickel Metal Hydride
  - Nickel Cadmium
  - Lithium Polymer
- Wide Input Supply Range: 3V to 24V
- ±1.0% Charge Voltage Accuracy
- **±1.0% Discharge Voltage Accuracy**
- ±2.0% Charge Current Accuracy
- Battery Voltage & Temperature Sensing
- Charge Current Sensing
- Ratio metric Battery Management
- **Pause Charge Methodology**
- Minimum 8-bit ADC Resolution

## Applications

- Notebook PCs & PDA's
- Portable Computers
- Wireless Phones
- Cordless Phones & RC Toys
- Charging Docks
- Handheld Instruments

## Description

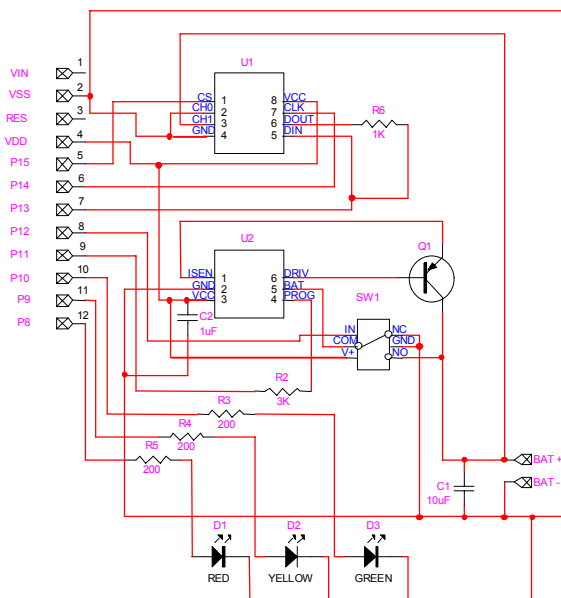
The IPM2003-BCA is chemistry independent battery management software that simplifies battery management designs, and offers performance improvements in battery packs and the devices they power. Requiring only two (2) battery terminals, the *patent pending* source code can identify the difference between Lithium and Nickel batteries, implement the appropriate charge methodology (CC or CC/CV), and terminate charge on industry standard or proprietary methods.

This IPM2003-BCA source code requires less than 64 bytes of RAM and 1K bytes ROM, and uses less than 0.002% of a processors available CPU cycles in a typical wireless phone design.

This core IPM software is fully compatible with today's industry standards, as well as other IPM software products from VIR including "*Battery State-of-Energy*" code and "*System Level Power Management*" code.

All source code from VIR is available in PBASIC or C++ form, and is easily ported into all commercially available microprocessors.

## Development Board Application



To Order:

IPM2003-BCA Source Code (restricted lifetime license)	\$249.00
IPM2003-BCA Development Board (includes source code license)	\$349.00