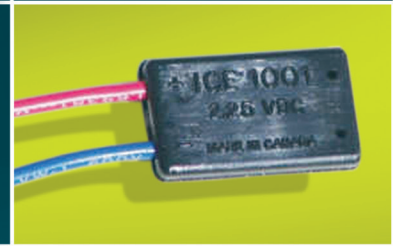


# Equalize. Maximize.

Prevent overcharging of good cells and undercharging of bad cell with Integrated Cell Equalization (ICE).



The present practice of 'Brute Force' charging and equalizing, highly stresses fully charged cells. The Acutix ICE (cell voltage equalization) circumvents this problem and minimizes cell stress and aging.

(figure 1)

## Why Acutix ICE?

Without cell voltage equalization, internal resistance is variable from cell-to-cell. Good cells are overcharged, while bad cells are undercharged. (figure 2)

- Operational and environmental stress can shorten cell life
- Internal resistance is variable from cell-to-cell
- Cells in series result in cell-to-cell voltage variability
- Charge variability results in over and under-charging
- Present practice is to "Force" Equalize
- "Force" Equalization highly stresses fully charged cells
- Cell voltage equalization circumvents the variability problem (figure 3)

## Acutix ICE 1001 - Superior Features

- Zero variance between units
- Requires 2mA to function
- $2.25 \pm .01$  Vdc, from 2-300mA\*
- Temperature stable (0 to 30°C = .001v)
- Small size (.75" x 1.25" x .26" / 4oz. / 6" leads)
- Lug size up to 5/16" lug standard - custom terminations available, please inquire

\*available in other voltages

Minimize Cell Stress and Cell Aging

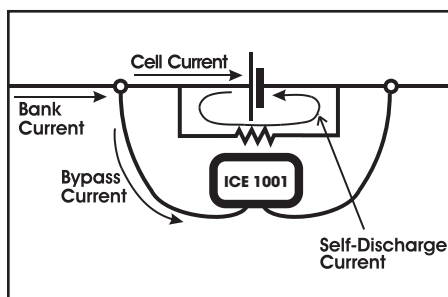


Figure 1

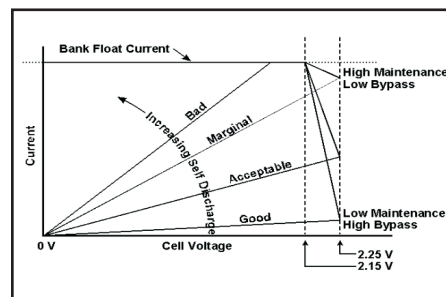


Figure 2

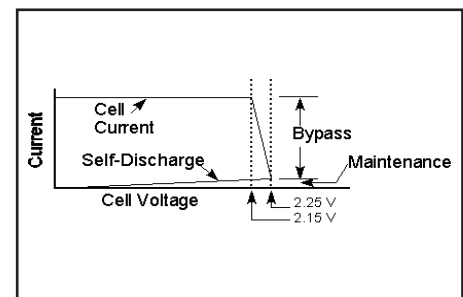


Figure 3



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