

Features

- Cell balance controller for multi-cell Li-ion battery
- 1% voltage difference
- On/off control
- Programmable on/off voltage
- Build-in UVLO
- Over temperature protection
- 5 ~ 10V input voltage
- 40uA max. quiescent current @ EA on
- 6uA max. quiescent current @ EA off
- 200mA max. programmable balancing current
- TDFN8-2x2 package
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

Applications

- Multi-cell Li-ion battery

General Description

The GS7717 is a cell balance controlled IC that can manage 1% voltage difference in two Li-ion cells when Li-ion battery during operation.

Internal switches and two external resistors are across the two Li-ion cells. When one of internal switches is turn on, the maximum current (balancing current) that can be drawn from or bypassed from the cell is 200mA.

Programmable EA on/off voltage help user to define the proper voltage range for cell balancing function to optimize the efficiency of whole battery system.