www.cellwise-semi.com CW1243-DS V1.7



CW1243

4 Cell Li-Ion/Polymer Battery Pack Protection IC

Features

- · Overcharge protection
 - Threshold from 4.175V to 4.350V, 25mV steps, ±25mV accuracy
- Over discharge protection
 - Threshold from 2.300V to 3.000V, 25mV steps, ±80mV accuracy
- Excess current protection
 - Excess current 1: Threshold from 0.030V to 0.100V, 10mV steps, ±5mV accuracy
 - Excess current 2: Threshold from 0.060V to 0.200V, 20mV steps, ±5mV accuracy
 - Short circuits protection: Threshold from 0.090V to 0.600V, 30mV steps, ±10mV accuracy
- Charge and discharge over temperature protection
- Automatic recovery after excess current protection
- Ultra low power dissipation
 - Normal working 15µA (25°C)
 - Sleep mode 5µA (25°C)
- Package type: SSOP16/SOP16/QFN16L

Applications

- Power tools
- E-bike
- Backup power supply
- Other lithium-ion or lithium polymer battery packs

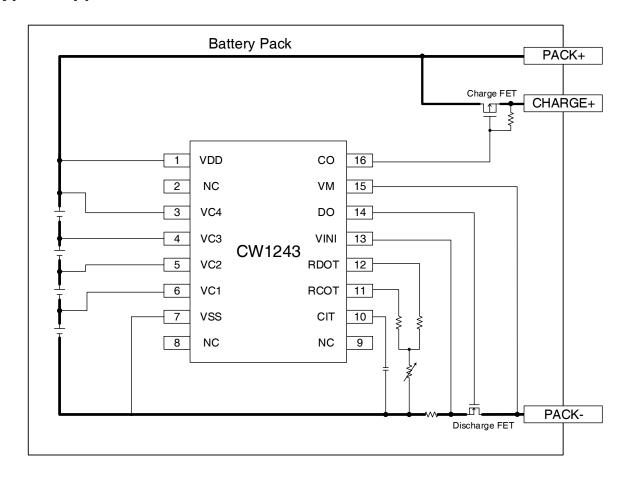
General Description

The CW1243 series products are highly integrated protection ICs for 4 lithium-ion and lithium polymer battery packs connected in series.

CW1243 provides complete protection for battery pack by measuring the voltage, current and temperature.

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Typical Application



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