

Protection Circuit Module Specifications For 7.4V Li-ion/Li-Po Battery Pack

Model: CV243 LI-2S IC: R5460N208AA+BQ27210

No.	Test item (Test at normal temperature 25±2℃ and relative humidity≤90%)		Criterion
1	Communication Interface		HDQ or I2C
2	Capacity	Designing battery capacity	*mAh
		Designing battery capacity	/mAh
		Max capacity (Battery pack)	/mAh
		Min capacity (Battery pack)	/mAh
		External capacity Indication	
		Gas gauge algorithm	Impedance Track
3	Voltage	Charging voltage	DC: 8.4V CC/CV (4.2V/1cell)
		Balance voltage for single cell	4.20±0.05V
4	Current	Balance current for single cell	116±10mA
		Normal operating-mode current: Gas Gauge in NORMAL mode, ILOAD > Sleep Current	160 uA
		SLEEP operating-mode current: Gas Gauge in SLEEP mode, ILOAD < Sleep Current	80 uA
		FULL SLEEP operating-mode current: Gas Gauge in FULL SLEEP mode, ILOAD < Sleep Current	25 uA
		Maximal continuous charging current	5A
		Maximal continuous discharging current	5A
5	Over charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.1V
6	Over discharge protection	Over discharge detection voltage	2.4±0.1V
		Over discharge detection delay time	10—1000mS
		Over discharge release voltage	3.0±0.1V
7	Over current protection	Over current detection current	13±3A
		Detection delay time	5ms—60ms
		Release condition	Cut load
8	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200us-10ms
		Release condition	Cut load
9	Resistance	Protection circuitry	≤60m Ω
		Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

Test temperature 25℃.

B+: Battery+

B-: Battery-

SDA: Serial Data interface

SCL: Serial Clock interface

HDQ: Open drain HDQ Serial communication line (slave)

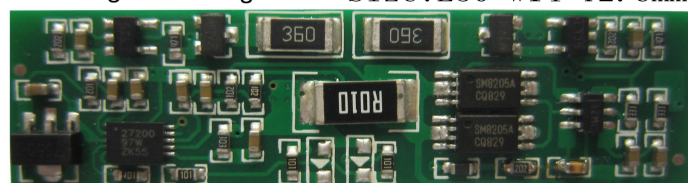
P+: Charge+/discharge+/Battery+

P-: Charge-/discharge-

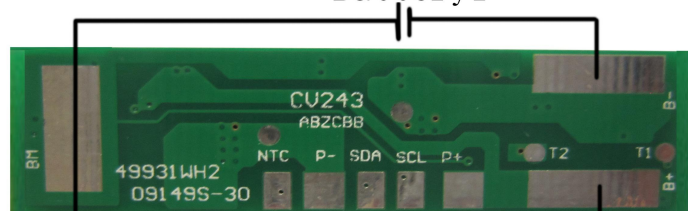
P+=charge+/Discharge+

P- =charge-/Discharge-

Size: L50*W14*T2.6mm



Battery1



Battery2