

Protection Circuit Module Specifications For 11.1V Li-ion/Li-po Battery Pack

Model: PCB-S3A4T

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 12.6V CC/CV (4.2V/cell)
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	$\leq 50 \mu A$
		Maximal continuous discharging current	4A
3	Over charge Protection (single cell)	Over charge detection voltage	4.35V \pm 0.025V
		Over charge detection delay time	0.3S—2S
		Over charge release voltage	4.15V \pm 0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.40V \pm 0.08V
		Over discharge detection delay time	300—2000ms
		Over discharge release voltage	3.0 \pm 0.10V
5	Over current protection	Over current detection voltage	150 \pm 25mv
		Over current detection current	7.5 \pm 1.5A
		Detection delay time	30ms—200ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry	$\leq 50m \Omega$
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

L32*W30*T3mm

