

Protection Circuit Module Specifications For 22.2V Li-ion/Li-PO Battery Pack

CU-JAS372

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 25.2V CC/CV (4.2V/1Cell)
		Balance voltage for single cell	4.20V±0.05V
2	Current	Balance current for single cell	67mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	30A
		Maximal continuous discharging current	30A
3	Over charge Protection (single cell)	Over charge detection voltage	4.250V±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.150V±0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.50V±0.08V
		Over discharge detection delay time	1500-2500ms
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	0.1±0.015V
		Over current detection current	120±10A
		Detection delay time	1200-2000ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤40m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

