

POWER-XTRA

Model: Power-Xtra Li-ion/Li-Po PCM 37.V (10 Cell) 15 A_PCX-10S15A-307(10S) Stock Code: 900.600.501.151

No.	Test Item		Criterion
1	Voltage	Charging voltage	DC: 42V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption	≤20uA
		Maximal continuous charging current	15A
		Maximal continuous Discharging current	15A
3	Over charge Protection	Over charge detection voltage for single cell	4.25±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage for single cell	4.15±0.05V
4	Over discharge protection	Over discharge detection voltage for single cell	2.80±0.05V
		Over discharge detection delay time	50mS—150mS
		Over discharge release voltage for single cell	3.00±0.08V
5	Over current protection	Over current detection voltage	100±25mv
		Over current detection current	80±20A
		Detection delay time	5ms—15ms
		Release condition	Cut load or Charging activation
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load or Charging activation
7	Resistance	Protection circuitry (MOSFET)	≤20mΩ
8	Temperature	Operating Temperature Range	-40 ~ +6°C
		Storage Temperature Range	-40 ~ +125°C
		Temperature Switch	10K NTC
9	Charging high temperature protection		50±4°C
	Charging high temperature protection release		47°C±4°C
	Charging low temperature protection		0°C±4°C
	Charging low temperature protection release		5°C±4°C
10	Discharging high temperature protection		70°C±4°C
	Discharging high temperature protection release		55°C±4°C
11	Board Size : L60mm*W32.5mm*T9.3mm		

