

Model: Power-Xtra - 10S - 37.0V 15A Li-ion BMS - 2 -with Balance Function

Stock Code: 900.600.501.197

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	10S - 37.0V 15A Li-ion BMS	10S-15A working current
2	Voltage	Charging voltage	42.0V
3	Current	Maximal continuous charging current	15A
		Maximal continuous discharging current	15A
		Current consumption	$\leq 50\mu\text{A}$
4	Overcharge Protection	Over charge detection voltage	$4.25\text{V} \pm 0.025\text{V}$
		Over charge detection delay time	500mS—1500mS
		Over charge release voltage	$4.15 \pm 0.05\text{V}$
5	Over Discharge Protection	Over discharge detection voltage	$2.7\text{V} \pm 0.08\text{V}$
		Over discharge detection delay time	500-1500mS
		Over discharge release voltage	$3.00 \pm 0.075\text{V}$
6	Over Current Protection	Over current detection voltage	$100 \pm 25\text{mv}$
		Over current detection current	$80 \pm 10\text{A}$
		Detection delay time	100-400mS
		Release condition	Cut load
7	Short Circuit Protection	Detection condition	Exterior shot circuit
		Detection delay time	200~500uS
		Release condition	Cut load
8	Balance	Balance voltage for single cell	$4.2 \pm 0.025\text{V}$
		Balance current for single cell	$40 \pm 5\text{mA}$
9	Resistance	Inner resistance	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	$-20 \sim +70^{\circ}\text{C}$
		Storage temperature range	$-40 \sim +125^{\circ}\text{C}$
		Temperature Sensor	10K NTC
11	Dimension	Length	63 mm
		Width	32.5 mm
		Thickness	9.2 mm

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12	Charging temperature protection	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
13	Discharging temperature protection	Discharging high temperature protection	70°C±4°C
		Discharging high temperature protection release	55°C±4°C
14	ON/OFF Switch	The battery pack can not discharge and charge during the Switch is turn on; The Battery pack can discharge and chargeduring the Switch is turn off.	

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IMAGE / TECHNICAL DRAWING

