

Model: Power-Xtra - 4S - 14.8V 10A Li-ion BMS_ PX-4S10A-438

Stock Code: 900.600.501.175

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	4S - 14.8V 10A Li-ion BMS	4S-10A working current
2	Voltage	Charging voltage	16.8V
3	Current	Maximal continuous charging current	10A
		Maximal continuous discharging current	10A
		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	$4.15\text{V} \pm 0.05\text{V}$
5	Over Discharge Protection	Over discharge detection voltage	$2.70\text{V} \pm 0.05\text{V}$
		Over discharge detection delay time	500ms—1500ms
		Over discharge release voltage	$3.0 \pm 0.1\text{V}$
6	Over Current Protection	Over current detection voltage	$200 \pm 30\text{mV}$
		Over current detection current	$40 \pm 10\text{A}$
		Detection delay time	50ms—200ms
		Release condition	Cut load or Charging Activation
7	Short Circuit Protection	Detection condition	Exterior shot circuit
		Detection delay time	200~500uS
		Release condition	Cut load or Charging Activation
8	Balance	Balance voltage for single cell	$4.2 \pm 0.025\text{V}$
		Balance current for single cell	$42 \pm 5\text{mA}$
9	Resistance	Inner resistance	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	$-20 \sim +70^\circ\text{C}$
		Temperature Switch	75°C
		Storage temperature range	$-40 \sim +125^\circ\text{C}$
11	Dimension	Length	60mm
		Width	30mm
		Thickness	4mm

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IMAGE / TECHNICAL DRAWING

