

Model: Power-Xtra - 12S - 44.4V 30A Li-ion BMS

Stock Code: 900.600.501.173

TECHICAL INFORMATIONS

ItemNo	Specs / Details		Criteria / Parameters
1	Model	12S - 44.4V 30A Li-ion BMS	12S-30A working current
2	Voltage	Charging voltage	50.4V
3	Current	Maximal continuous charging current	30A
		Maximal continuous discharging current	30A
		Current consumption	$\leq 50\mu\text{A}$
4	Overcharge Protection	Over charge detection voltage	$4.25 \pm 0.025\text{V}$
		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	$2.75 \pm 0.08\text{V}$
		Over discharge detection delay time	100ms—600ms
		Over discharge release voltage	$3.00 \pm 0.1\text{V}$
6	Over current protection	Over current detection voltage	$0.1 \pm 0.025\text{V}$
		Over current detection current	$120 \pm 150\text{A}$
		Detection delay time	100ms—600ms
		Release condition	Cut load or charging activation
7	Short protection	Detection condition	Exterior short 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	Protection circuitry (MOSFET)	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	$-20^{\circ} \sim +70^{\circ}\text{C}$
		Temperature Switch	75°C
		Storage temperature range	$-40^{\circ} \sim +125^{\circ}\text{C}$
11	Dimension	Length	125mm
		Width	63mm
		Thickness	10mm

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IMAGE / TECHNICAL DRAWING

B+ =P+=C+=Charger+/Load+

Size: L120*W63*T10mm

C-=P-=Charger-/Load-

