

Model: Power-Xtra - 10S - 37.0V 30A Li-ion BMS_PCX-20S40A-375 (10S) - Balans

Stock Code: 900.600.501.171

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	10S - 37.0V 30A Li-ion BMS	10S-30A working current
2	Voltage	Charging voltage	42.0V
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	$4.25\text{V} \pm 0.025\text{V}$
		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	$2.75\text{V} \pm 0.08\text{V}$
		Over discharge detection delay time	100mS—600mS
		Over discharge release voltage	$3.00 \pm 0.10\text{V}$
6	Over Current Protection	Over current detection voltage	$0.1 \pm 0.025\text{V}$
		Over current detection current	120~150A
		Detection delay time	100ms—600ms
		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	Protection circuitry (MOSFET)	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	-20 ~ +70°C
		Storage temperature range	-40 ~ +125°C
		Temperature protection	75°C
11	Dimension	Length	120mm
		Width	63mm
		Thickness	10mm

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IMAGE / TECHNICAL DRAWING

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

C-=P-=Charger-/Load-

Size: L120*W63*T10mm

