

Model Power-Xtra Li-ion/Li-Po PCM 70.3V (19 Cell) 80 A

Stock Code:

## TECHICAL INFORMATIONS

ItemNo	Specs / Details		Criteria / Parameters
1	Model	19S - 70.3V 80A Li-ion BMS	19S-80A working current
2	Voltage	Charging voltage	79.8V
3	Current	Maximal continuous charging current	20A
		Maximal continuous discharging current	80A
		Current consumption	$\leq 20\mu\text{A}$
4	Overcharge Protection	Over charge detection voltage	$4.28 \pm 0.025\text{V}$
		Over charge detection delay time	0.5—2S
		Over charge release voltage	$4.08 \pm 0.05\text{V}$
5	Over Discharge Protection	Over discharge detection voltage	$2.80 \pm 0.05\text{V}$
		Over discharge detection delay time	50ms—200ms
		Over discharge release voltage	$2.8 \pm 0.1\text{V}$
6	Over current protection	Over current detection voltage	$0.1\text{V} \sim 0.2\text{V}$
		Over current detection current	$240 \pm 40\text{A}$
		Detection delay time	5~20mS
		Release condition	Cut load, automatically recover
7	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load, automatically recover
8	Balance	Balance voltage for single cell	$4.2\text{V} \pm 0.025\text{V}$
		Balance current for single cell	$168 \pm 20\text{mA}$
9	Resistance	Protection circuitry (MOSFET)	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	$-40^{\circ} \sim +85^{\circ}\text{C}$
		Temperature Switch	-
		Storage temperature range	$-20^{\circ} \sim +125^{\circ}\text{C}$
11	Dimension	Length	120mm
		Width	80mm
		Thickness	25mm

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## IMAGE / TECHNICAL DRAWING

