

Model: Power-Xtra - 13S - 48.1V 80A Li-ion BMS -Balance Function

Stock Code: 900.600.501.190

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	13S - 48.1V 80A Li-ion BMS	13S-80A working current
2	Voltage	Charging voltage	54.6V
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	$4.25\text{V} \pm 0.025\text{V}$
		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	$2.75 \pm 0.08\text{V}$
		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	$0.10 \pm 0.025\text{V}$
		Over current detection current	180~260A
		Detection delay time	50ms—150ms
		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	$4.20 \pm 0.025\text{V}$
		Balance current for single cell	$42 \pm 10\text{mA}$
9	Resistance	Inner resistance	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	-20 ~ +75°C
		Storage temperature range	-40 ~ +125°C
		Temperature Sensor	65°C
11	Dimension	Length	125mm
		Width	63mm
		Thickness	10mm

Model: Power-Xtra - 13S - 48.1V 80A Li-ion BMS -Balance Function

Stock Code: 900.600.501.190

IMAGE / TECHNICAL DRAWING

