

Model: Power-Xtra - 4S - 14.8V 40A Li-ion BMS - Balanced Version

Stock Code : 900.600.501.210

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	4S - 14.8V 40A Li-ion BMS	40A working current
2	Voltage	Charging voltage	16.8V~18.1V
3	Current	Maximal continuous charging current	20A
		Maximal continuous discharging current	40A
		Current consumption	12 - 24uA
4	Overcharge Protection	Over charge detection voltage	4.25V±0.05V
		Over charge detection delay time	160ms (MAX)
		Over charge release voltage	4.15V±0.05V
5	Over Discharge Protection	Over discharge detection voltage	2.50V±0.1V
		Over discharge detection delay time	80ms (MAX)
		Over discharge release voltage	3.50±0.3V
6	Over Current Protection	Over current detection voltage	150±30mV
		Over current detection current	80 A±10 A
		Detection delay time	200ms (MAX)
		Release condition	Disconnect load
7	Short Circuit Protection	Detection condition	External circuit short circuit
		Detection delay time	600 µs (MAX)
		Release condition	Break the short circuit
8	Balance	Balance voltage for single cell	4.2±0.03V
		Balance current for single cell	100±5mA
9	Resistance	Inner resistance	RDS ≤3.3m Ω
10	Temperature	Operating temperature range	-40 ~ +50°C
		Storage temperature range	-40~ +80°C
11	Dimension (with nickel belt)	Length	60mm
		Width	45mm
		Thickness	4mm

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IMAGE / TECHNICAL DRAWING

