

Model: Power-Xtra - 6S - 22.2V 100A Li-ion BMS

Stock Code: 900.414.501.012

TECHICAL INFORMATIONS

Item No	Specs / Details		Criteria / Parameters
1	Model	6S - 22.2V 100A Li-ion BMS	6S-100A working current
2	Voltage	Charging voltage	25.2V
3	Current	Maximal continuous charging current	50A
		Maximal continuous discharging current	100A
		Current consumption	$\leq 50\mu\text{A}$
4	Overcharge Protection	Over charge detection voltage	$4.25 \pm 0.05\text{V}$
		Over charge detection delay time	1S
		Over charge release voltage	$4.15 \pm 0.05\text{V}$
5	Over Discharge Protection	Over discharge detection voltage	$2.70 \pm 0.1\text{V}$
		Over discharge detection delay time	1S
		Over discharge release voltage	$3.00 \pm 0.1\text{V}$
6	Charging over current protection	Charging over current protection current	$66 \pm 10\text{A}$
		Over Charge current detect delay	0.5S
		Over Charge current protection release condition	Off load
7	Discharge over current protection	Discharge over current protection current	$300 \pm 50\text{A}$
		Over discharge current detect delay	1S
		Over discharge current protection release condition	Off load
8	Short protection	Short Circuit protection condition	Short circuit of external load
		Detection delay time	960us
		Release condition	Off load
9	Balance	Balance voltage for single cell	4.125V
		Balance current for single cell	$30 \pm 5\text{mA}$
10	Self Consumption	Working current	500 μA
		Sleeping current(over-discharge)	0 μA

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11	Temp Protect	Charge Temperature protection degrees	-20° ~ +55°C
		discharge Temperature protectiondegrees	-40° ~ +75°C
12	Resistance	Protection circuitry (MOSFET)	≤20mΩ
13	Temperature	Operating temperature range	-20° ~ +70°C
		Temperature Switch	-
		Storage temperature range	-40° ~ +80°C
14	Dimension	Length	166mm
		Width	65mm
		Thickness	24mm

IMAGE / TECHNICAL DRAWING

