

# POWER-XTRA

**Model:** Power-Xtra Li-ion/Li-Po PCM 37.0V (10 Cell)30 A\_PCX-20S40A-375 (8S )

**Stock Code:** 900.600.501.171

No.	Test item		Criterion
1	Voltage	Charging voltage	DC : 42V CC/CV
		Balance voltage for single cell	4.2±0.025V
2	Current	Balance current for single cell	42±5mA
		Current consumption	≤50μA
		Maximal continuous charging current	30A
		Maximal continuous Discharging current	30A
3	Over charge Protection	Over charge detection voltage for single cell	4.25±0.025V
		Over charge detection delay time	500ms—1500ms
		Over charge release voltage for single cell	4.15±0.05V
4	Over discharge protection	Over discharge detection voltage for single cell	2.75±0.08V
		Over discharge detection delay time	100ms—600ms
		Over discharge release voltage for single cell	3.0±0.1V
5	Over current protection	Over current detection voltage	0.1±0.025V
		Over current detection current	120~150A
		Detection delay time	100ms—600ms
		Release condition	Cut load or charging activation
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load or charging activation
7	Resistance	Protection circuitry (MOSFET)	≤20mΩ
8	Temperature	Operating Temperature Range	-20~+70°C
		Storage Temperature Range	-40~+125°C
		temperature protection	75°C
9	Dimension	Length	120mm
		Width	63mm
		Thickness	10mm

