

Features of PCBA



- **Over charge protection.**
- **Over discharge protection.**
- **Normal current consumption lower.**
- **Wider Temperature Range:** -40°C ~ 80°C
- **Superior Safety:** Monitor battery health information.
- **Compatible Better:** It can compatible with some iRobot Roomba series.

Specification

Item	Condition	Specification
Charge voltage	Charge voltage	16.8+/-0.15V
Overcharge	Overcharge Detection voltage	4.25+/-0.5V
	Overcharge Release voltage	4.1+/-0.5V
	Overcharge Detection delay time	0.5~ 1.5s
Cell-balance	Cell-balance Detection Voltage	/
	Cell-balance current	/
Over discharge	Over discharge Detection voltage	2.8+/-0.1V
	Over discharge Release voltage	3.0+/-0.1V
	Over discharge Detection delay time	50 ~150ms
Over discharge current protection	Over current	8-15A
	delay time	5 ~15ms
Short protection	Short detection delay time	100 ~ 600us
Normal current consumption	Normal current consumption of PCM	Max 30uA
Suggest working conditions	max continuous charge/discharge current	Charge current :3A discharge current :5A
IR resistance	IR of PCM	≤30mΩ
NTC	20~30°C	10KΩ
Charge temperature protection	Charging over-temperature protection	/
	Recovery temperature	/
Discharge temperature protection	Discharging over-temperature protection	/
	Recovery temperature	/
PCM size	L*W*T	75*33*3.0mm

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