

LiitoKala TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-HYP7C25 (LI-6S15A)		ver: A
Test item (Test at normal temperature 25±2°C)		Criterion
Voltage	Charging voltage	DC : 25.2V CC/CV (4.2v/Cell) 6S
Supply Current	Normal operating mode current : Fuel gauge in NORMAL mode. ILOAD >Sleep Current	≤30uA
	Maximal continuous charging current	5A
	Maximal continuous discharging current	15A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.05±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.5±0.05V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	30±5A
	Detection delay time	5ms—20ms
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤50mΩ
Temperature	high temperature discharge protection	70°C
	Operating Temperature Range	-20~+85°C
	Storage Temperature Range	-40~+125°C
SIZE: L60 *W35 *T6 mm		
NTC: /	Temperature switch : 70 °C(the batteries temperature)	Weak current switch : /
<p>The diagram shows the internal connections of the PCM. It features a central green component with several connection points. On the left, there are six blue lines labeled B1 through B6. On the right, there are four yellow boxes labeled P+, Charge+, Discharge+, C-, Charge-, P-, and P-. The connections are as follows: B1 connects to Charge+, B2 to C-, B3 to P-, B4 to P+, B5 to Discharge+, and B6 to Charge-. BX is connected to the top of the central component. A horizontal bar at the bottom is labeled B-/ B1 / B2 / B3 / B4 B6=B+ →.</p>		
<p>A photograph of the physical printed circuit board (PCB) of the PCM. The PCB is green with various electronic components. Labels indicate the "Discharge interface" (top), "Charging line interface" (left), "Negative interface" (right), and a "Thermal protector" (bottom right). The PCB has several connection pins labeled B+ and B-.</p>		

The image is for illustrative purposes only