



# AYAA TECHNOLOGY CO.,LTD

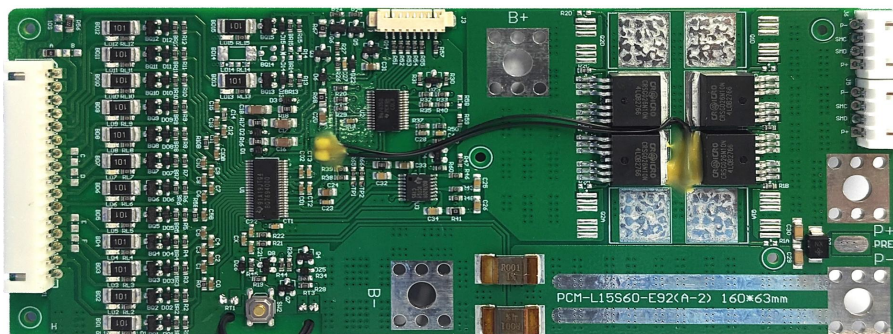
## PCM Specifications

Model: PCM-L15S60-E92(A-1) (LI-14S30A)

Test item ( Test at normal temperature 25±2℃ )		Criterion
Communication Interface		SMBUS
Voltage	Charging voltage	DC: 58.8V CC/CV (4.2v/Cell) 14s
Supply Current	Normal current consumption	≤ 600uA
	Maximal continuous charging current	30A
	Maximal continuous discharging current	30A
Balanced	Balance voltage for single cell	4.20±0.10V
	Balance current for single cell	42±10mA
Over-Charge Protection (single cell)	Over charge detection voltage	4.25±0.05V(Adjustable)
	Over charge detection delay time	1.0±0.5S(Adjustable)
	Over charge release voltage	4.10±0.1V(Adjustable)
Over-Discharge Protection (single cell)	Over discharge detection voltage	2.50±0.05V(Adjustable)
	Over discharge detection delay time	1.0±0.5S(Adjustable)
	Over discharge release voltage	2.8±0.1V(Adjustable)
Over Current Protection	ChargeOver current detection current	25±3A(Adjustable)
	Detection delay time	1.0±0.5S(Adjustable)
	Discharge Over current detection current 1	32±3A(Adjustable)
	Detection delay time	5.0±0.5S(Adjustable)
	Discharge Over current detection current 2	180±10A(Adjustable)
	Detection delay time	150mS(Adjustable)
	Release condition	Cut load,Auto Recovery
Short Protection	Detection condition	Exterior short circuit
	Detection delay time	400uS(Adjustable)
	Release condition	Cut load
Resistance	Internal resistance of PCM	≤ 5mΩ
Temperature	Low temp. protection when charge	-20±3℃(Adjustable)
	Detection delay time. ( low temp. protection)	2.0±0.5S(Adjustable)
	Release temp. ( low temp. protection)	-10±3℃(Adjustable)
	Over temp. protection when charge	65±3℃(Adjustable)
	Detection delay time. ( over temp. protection)	2.0±0.5S(Adjustable)
	Release temp. ( over temp. protection)	55±3℃(Adjustable)
	Low temp. protection when discharge	-20±3℃(Adjustable)
	Detection delay time. ( low temp. protection)	2.0±0.5S(Adjustable)
	Release temp. ( low temp. protection)	-10±3℃(Adjustable)
	Over temp. protection when discharge	70±3℃(Adjustable)
	Detection delay time. (over temp. protection)	2.0±0.5S(Adjustable)
	Release temp. (over temp. protection)	60±3℃(Adjustable)
	Operating Temperature Range	-40~+85℃
Storage Temperature Range	-40~+125℃	

SIZE: L160 \* W63 \* T20 mm

NTC: 10KΩ      Temperature switch: /℃(the mosfet temperature)      Weak current switch: /      Activation Method: /



Prepared: ZJH 2025-02-17

Checked:

Approved:

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