



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: **PCM-L12S20-H83 (LI-10S20A)** ver: **A**

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 42V CC/CV (4.2V/Cell) 10S
Supply Current	Normal operating mode current; Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	20A
	Maximal continuous discharging current	20A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2±0.05V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.15±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.75±0.05V
	Over discharge detection delay time	0.5S—2S
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	60±10A
	Detection delay time	5-60mS
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-800us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤20mΩ
Temperature	high temperature discharge protection	65℃
	Operating Temperature Range	-40~+70℃
	Storage Temperature Range	-40~+125℃

SIZE: L76 *W65 *T12 mm

NTC: / Temperature switch: 65℃ (the batteries temperature) Weak current switch: / Activation Method: /

