



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

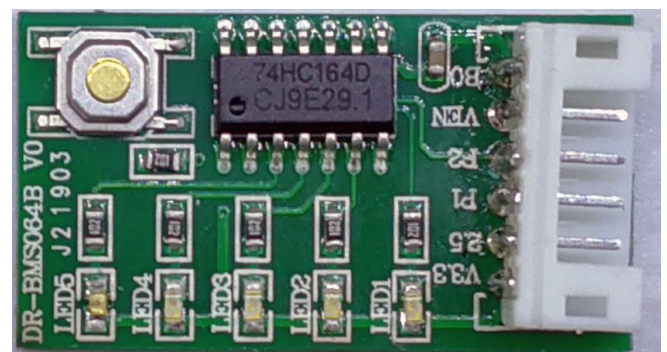
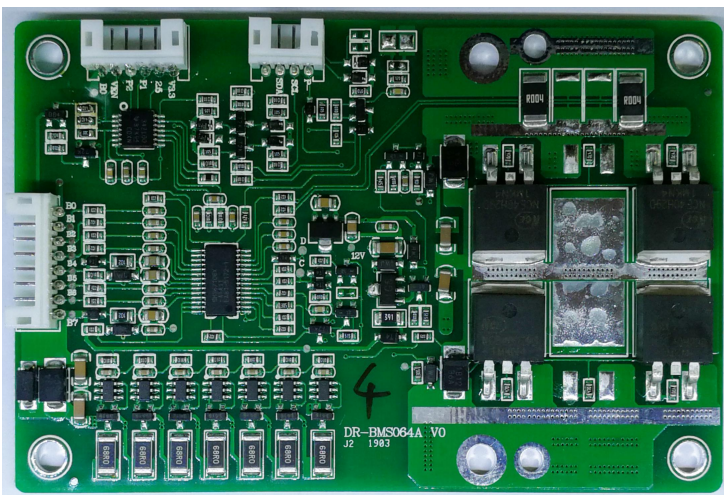
Model: AY-LB7S10A-T004-LB7S10A

Ver: A

Test Item (Test at normal temperature 25±2℃)		Criterion
Communication Interface		I2C BQ34Z100
Voltage	Charging voltage	DC: 29.4V CC/CV (4.2V/Cell) 7s
Capacity	Designing battery capacity (PCM)	10Ah
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤160uA
	Low-power operating mode current: Fuel gauge in FULLSLEEP mode. ILOAD < Sleep Current	≤80uA
	Maximal continuous charging current	10A
	Maximal continuous discharging current	10A
	Balance current for single cell	84±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.28±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.10±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	3.0±0.05V
	Over discharge detection delay time	0.5S—2S
	Over discharge release voltage	3.2±0.1V
Current protection (Battery pack)	Discharge Over current detection current	50±10A
	Detection delay time	0.5S—2S
	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	≤ 20mΩ
Temperature	Temperature protection	+65℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L100*W65*T8mm LED SIZE: 30*16*3 (6)

NTC: 10KNTC B=3435 Temperature switch: /℃ (the batteries temperature) Weak current switch: / Activation Method:/



Prepared: Hardy 2019-1-24

Checked:

Approved:

Form number: AY-ENBG-007A0