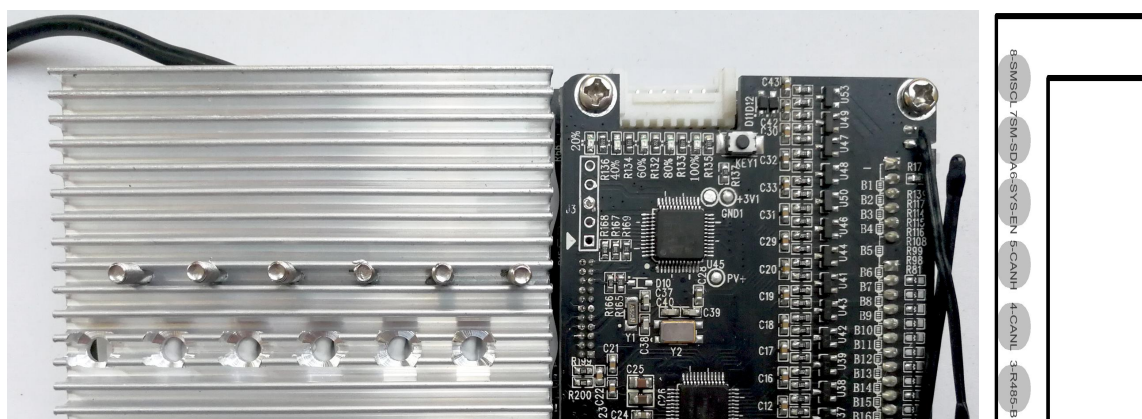


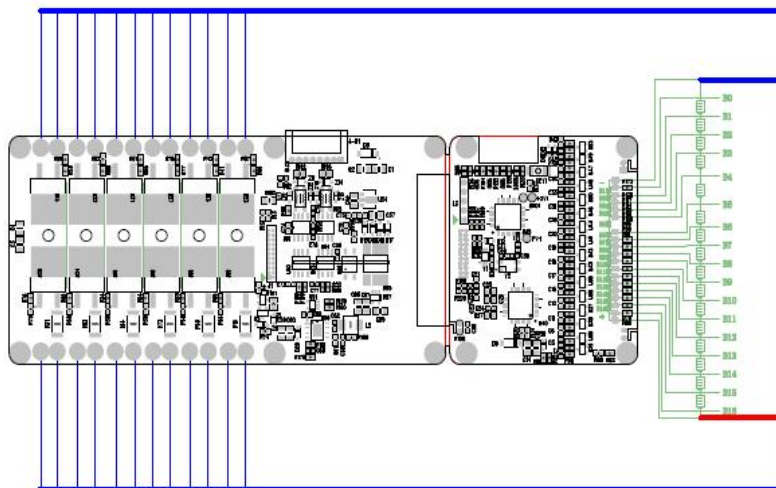
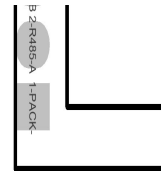


AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-LB16S100A-AY279 (LI 16S100A) ver: A		
Test item (Test at normal temperature 25±2℃)		Criterion
Communication Interface		CANBUS-LCD RS485/SMBUS
Voltage	Charging voltage	DC: 67.2V CC/CV (4.2V/1cell)
	Balance voltage for single cell	4.20±0.05V
Capacity	Max capacity (Battery pack)	10000000*mAh
	Min capacity (Battery pack)	1*mAh
	Designing battery capacity (PCM)	*Ah 8%
	Estimation error	≤2%
Supply Current	Normal operating-mode current: Gas Gauge in NORMAL mode,ILOAD > Sleep Current	≤30mA
	SLEEP operating-mode current: Gas Gauge in SLEEP mode,ILOAD < Sleep Current	80 uA
	FULL SLEEP operating-mode current: Gas Gauge in FULL SLEEP mode,ILOAD < Sleep Current	25 uA
	Maximal continuous charging current	100A
	Maximal continuous discharging current	100A
	Balance current for single cell	42±10mA
Over charge Protection	Over charge detection voltage	4.25±0.025V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.15±0.05V
Over discharge protection (single cell)	Over discharge detection voltage	2.5±0.08V
	Over discharge detection delay time	10—1000mS
	Over discharge release voltage	3.0±0.1V
Over current protection	Over current detection voltage	0.2±0.015V
	Over current detection current	200±1%
	Detection delay time	5ms—60ms
	Release condition	Cut load
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200us-10ms
	Release condition	Cut load
Resistance	Protection circuitry	≤50mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃
SIZE: L 125*W 62*T 25 mm		



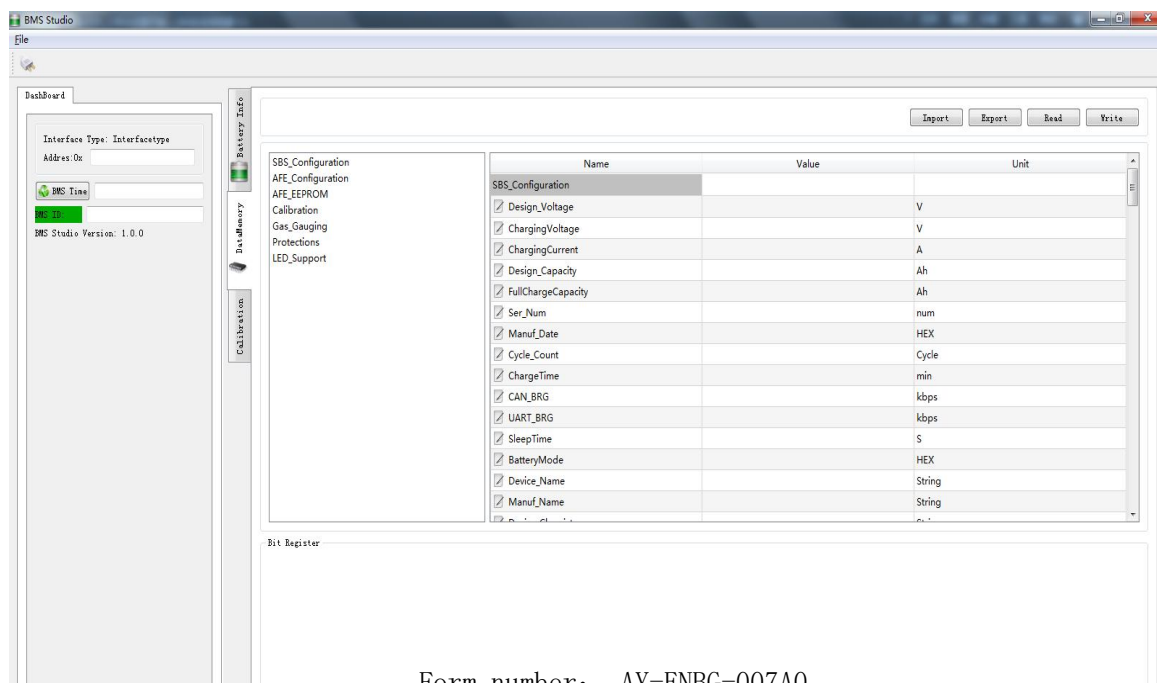
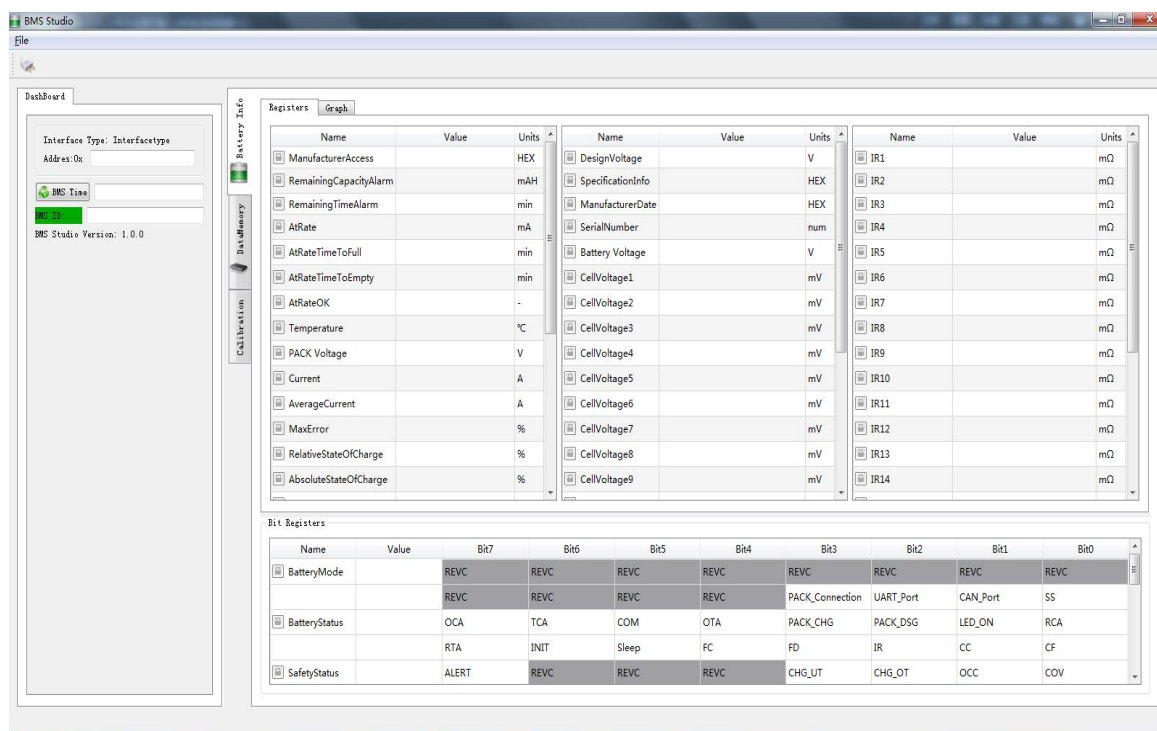
Form number: AY-ENBG-007A0



PACK-

PACK+

序号	脚位
PIN1	PACK-
PIN-2	RS485-A(T/R+)
PIN-3	RS485-B(T/R-)
PIN-4	CANL
PIN-5	CANH
PIN-6	SYS_EN
PIN-7	SMBus-SDA
PIN-8	SMBus-SCL



Prepared: Hardy 2018-4-13

Checked:

Approved: