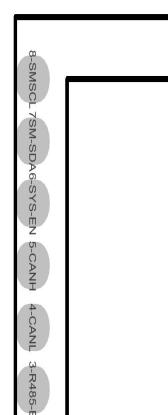


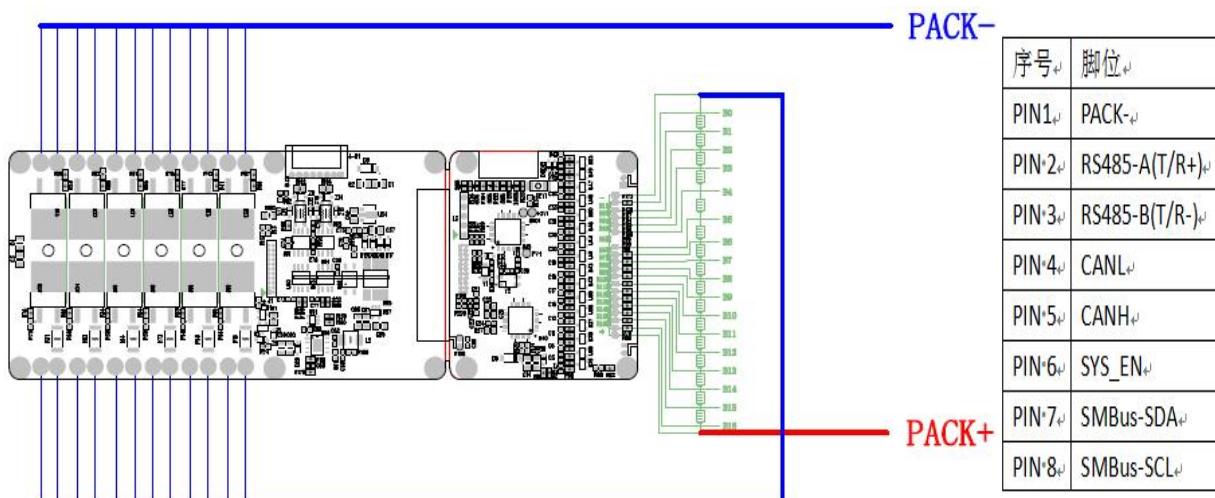
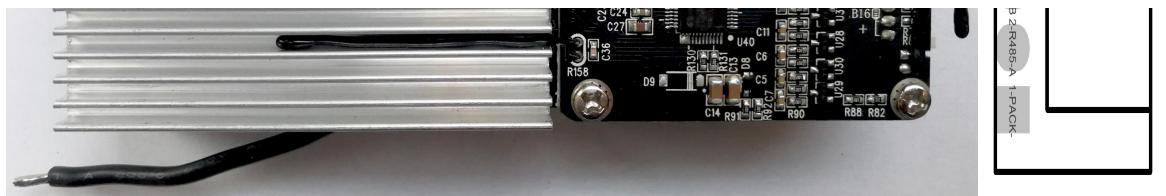


Model: PCM-LB16S100A-AY279 (LI 16S100A) ver: A

Test item (Test at normal temperature 25±2°C)		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°C
	Storage Temperature Range	-40～+125°C

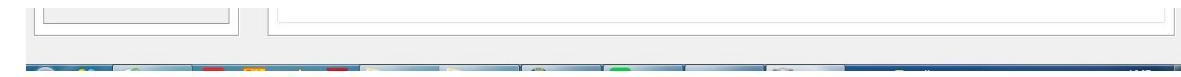
SIZE: L 125*W 62*T 25 mm





A screenshot of the BMS Studio software interface. The left sidebar shows the 'Dashboard' tab with interface type 'InterfaceType', address '0x', BMS ID '0000', and version '1.0.0'. The main area has two tabs: 'Registers' (selected) and 'Graph'. The 'Registers' tab displays a table of registers with columns for Name, Value, and Units. The table includes fields like ManufacturerAccess, RemainingCapacityAlarm, RemainingTimeAlarm, AtRate, AtRateTimeToFull, AtRateTimeEmpty, AtRateOK, Temperature, PACK Voltage, Current, AverageCurrent, MaxError, RelativeStateOfCharge, and AbsoluteStateOfCharge. Below this is a 'Bit Registers' table with columns for Name, Value, and bit positions Bit7 through Bit0. The 'Bit Registers' table includes fields like BatteryMode, BatteryStatus, and SafetyStatus.

A screenshot of the BMS Studio software interface. The left sidebar shows the 'Dashboard' tab with interface type 'InterfaceType', address '0x', BMS ID '0000', and version '1.0.0'. The main area has three tabs: 'Registers' (selected), 'DataMemory', and 'SBS_Configuration'. The 'SBS_Configuration' tab displays a table of configuration parameters with columns for Name, Value, and Unit. The table includes fields like SBS_Configuration, Design_Voltage, ChargingVoltage, ChargingCurrent, Design_Capacity, FullChargeCapacity, Ser_Num, Manuf_Date, Cycle_Count, ChargeTime, CAN_BRG, UART_BRG, SleepTime, BatteryMode, Device_Name, and Manuf_Name. Below this is a 'Bit Register' table.



Prepared: Hardy 2018-4-13

Checked:

Approved: