

1. Report cells voltage (main control board)

Packet header	command	Data length	voltage per Cell				Capacity	Check sum
			No 1	No 2	...	No 24		
2bytes	1byte	1byte	2bytes	2byte	...	2byte	1byte	1byte
\$\$	0X56		The high byte first Then low byte		...			

2. Report measure value (main control board)

Packet header	command	Data length	Charge End voltage of cell	Current mode	current	Battery packet temperature		SOC	Check sum
						T1	T2		
2bytes	1byte	1byte	2bytes	1 byte	2bytes	2bytes	2bytes	1byte	1byte
\$\$	0X57		The high byte first Then low byte						

3. Note:

	Ture Value (float)		Deliver value (hex)
Current	200.5 A	200.5x10	0x07d5
Current mode	0 or 1		0x00 (indicate discharge) 0x01 (indicate charge)
Cell voltage Charge End voltage of cell	4.356 V	4.356x1000	0x1104
Temperature	80.5 °C	80.5x10	0x0325
SOC	20	20	0X14

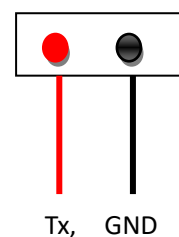
- data length: from The packet header to check sum(include check sum)
- checksum: The checksum is All the data accumulation except itself

4. Hardware configuration,

There is a 2pin port named as COM3 on the BMS that can be connected to external device

Baud rate is 115200

The signal from BMS is RS232 level



NOTE:

1. The communication protocol is applied for BMS8T, BMS16T and BMS24T.
2. When send out all data to external device. After main unit is updated, please use correct communication protocol.

Update history,

Main unit version	Description
V1.21	Add current mode send out, otherwise only send out positive current value even in discharge.
V1.22	Add SOC send out.