| CAN Baud Rate | 500K | Data format | Motorola format |
|---|---|---|---|

| OUT | IN | CAN ID1 | Cycle Time(ms) |
|---|---|---|---|
| BMS | OBC | 0x1806E5F4（标准帧时：0x3F4） | 1000 |

| Position | Date Name | Data description |
|---|---|---|
| BYTE1 | Maximum allowable charging voltage | 0.1V/bit offset：0 e.g：Vset =3201，The corresponding voltage is 320.1v |
| BYTE2 | | |
| BYTE3 | Maximum allowable charging current | 0.1A/bit offset：0 e.g：Iset =582，The corresponding current is 58.2A |
| BYTE4 | | |
| BYTE5 | Control work enablement | 0x00：Charger is starting to charge.<br>0x01：Charger close the output.<br>0x02：Charge end（After receiving this command, the charger goes to sleep）<br>Other values：In vain |
| BYTE6 | Controlled operating mode | 0x00：charging mode<br>0x01：Heating model（In the heating mode, the charger heats the heating film inside the battery，In this mode, the charger does not need to detect the output voltage to work，When designing the resistance value of the heating film, it should be noted that the working voltage of the heating film must be between the lowest voltage and the highest voltage of the battery，Preferably close to the battery's maximum voltage.It is best to turn off the output before switching modes）<br>Other values：In vain |
| BYTE7 | Reserved | |
| BYTE8 | Reserved | |

| OUT | IN | CAN ID2 | Cycle Time(ms) |
|---|---|---|---|
| OBC | BMS | 0x18FF50E5（标准帧时：0x3E5） | 1000 |

| Position | Date Name | | Data description |
|---|---|---|---|
| BYTE1 | Output voltage | | 0.1V/bit offset:0 e.g：Vout =3201，The corresponding voltage is 320.1v |
| BYTE2 | | | |
| BYTE3 | Output current | | 0.1A/bit offset:0 e.g：Iout =582，The corresponding current is 58.2A |
| BYTE4 | | | |
| BYTE5 | BIT0 | Hardware protection | 0：Normal 1：Hardware protection |
| | BIT1 | Temperature protection | 0：Normal 1：Internal temperature protection |
| | BIT2 | Input voltage status | 0：The voltage is normal 1：Iutput under voltage<br>2:Iutput over voltage 3：No input voltage |
| | BIT3 | | |
| | BIT4 | output under voltage | 0：Normal 1：Fault |
| | BIT5 | output over voltage | 0：Normal 1：Fault |
| | BIT6 | Output overcurrent | 0：Normal 1：Fault |
| | BIT7 | Output short circuit | 0：Normal 1：Fault |
| BYTE6 | BIT0 | communication status | 0：Communication is normal 1：Receive communication timeout |
| | BIT1 | Working status | 0：Undefined。1：work<br>2：Stop 3：Stop or standby |
| | BIT2 | | |
| | BIT3 | Completion of initialization | 0：The initialization is not complete 1：Completion of initialization |
| | BIT4 | Fan working enable | 0：Close 1：Open |
| | BIT5 | Cooling pump fan working enable | 0：Close 1：Open |
| | BIT6 | | |
| | BIT7 | | |
| BYTE7 | BIT0 | CC signal status | 0：Not Connected。1：Half Connected<br>2：Normal Connected。3：Resistance detection error |
| | BIT1 | | |
| | BIT2 | CP signal status | 0：No CP signal was detected 1：CP signal is normal |
| | BIT3 | The charging socket overheating fault | 0：Normal。1：The charging socket over-temperature protection |
| | BIT4 | Electronic lock state | 0：in Judgment。1：Locked2：Unlocked<br>3：Unlock fault（Control unlock actually detected a lock）<br>4：Locked fault（Control lock actually detected unlocked） |
| | BIT5 | | |
| | BIT6 | | |
| | BIT7 | S2 Switch control bit status | 0：switch off 1：close up |
| BYTE8 | Temperature | | resolution ratio 1 offset-40 e.g：Temp =0 The corresponding temperature is -40℃ |

Description：

1、 communication status

If the message was not received within 5s,consider the communication timed out and the output will be shut off

2、Cooling pump fan working enable control mode:

The internal temperature is over than 60 degrees，it show 1.The temperature is less than 55 degrees，it show 0。Once turned on, work for at least 5 minutes.

3.It has no CC/CP/Electronic lock function by default.