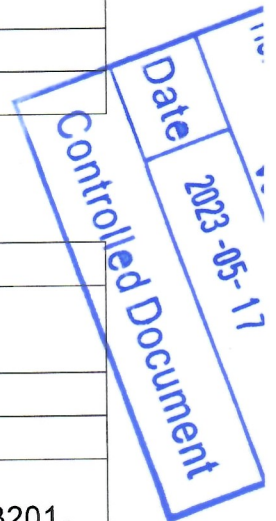
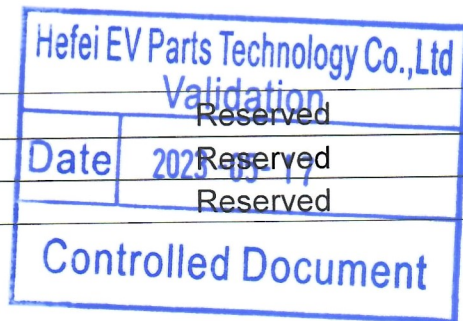


CAN Configuration Number	1001
CAN Baud Rate	500KBS
Charger Receiving CAN ID	0x1806E5F4
Charger Transmitting CAN ID	0x18FF50E5

Communication Specification:
Message1:

OUT	IN	CAN ID	Cycle (ms)
BMS	Charger	0x1806E5F4	1000
Data			
Position	Data Name		
BYTE1	Max Allowable Charging Terminal Voltage High Byte		0.1V/bit Offset: 0 e.g.: Vset =3201, its corresponding 320.1V
BYTE2	Max Allowable Charging Terminal Voltage Low Byte		
BYTE3	Max Allowable Charging Current High Byte		0.1A/bit Offset: 0 e.g: Iset =582, its corresponding 58.2A
BYTE4	Max Allowable Charging Current Low Byte		
BYTE5	Control		0: Charger is starting up to charge.1: Battery protection, charger close output.2:Heating mode,the charger is starting up to charge.
BYTE6	Reserved		
BYTE7	Reserved		
BYTE8	Reserved		


Message 2

OUT	IN	CAN ID	Cycle(ms)
CCS	BCA	0x18FF50E5	1000
Data			
Position	Data Name		
BYTE1	Output Voltage High Byte		0.1V/bit Offset:0 e.g.:Vout =3201, its corresponding320.1v
BYTE2	Output Voltage Low Byte		
BYTE3	Output Current High Byte		0.1A/bit Offset:0 e.g: Iout=582, its corresponding 58.2A.

BYTE4	Output Current Low Byte	Highest Byte mark: 0: Charging, 1: Discharging
BYTE5	STATUS Flags	
BYTE6	Reserved	
BYTE7	Reserved	
BYTE8	Reserved	

STATUS	Mark	Description
Bit0	Hardware Failure	0: Normal. 1: Hardware Failure
Bit1	Temperature of Charger	0: Normal. 1: Over Temperature Protection
Bit2	Input Voltage	0: Normal Input Voltage. 1: Incorrect Input Voltage, Charger Stop Working
Bit3	Starting State	0: Normal Battery connecting . 1: Battery Disconnecting or Reverse
Bit4	Communication	0: Normal Communication. 1: Communication Receiving Time-out
Bit5		
Bit6		
Bit7		

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 Date 2023-05-17
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Operation Mode:

1. BMS send operating message(Message 1) at fixed interval 1s. After receiving message, charger will work under the voltage and current in the Message 1. If the message was not received within 5s, charger will enter into communication failure and the output will be shut off.
2. The charger send broadcast message(Message 2) at fixed interval 1s. The display meter will show the status of charger according to up-to-date information.
3. The BMS can completely ignore the fault state of the charger. When the charger fails,it will automatically stop working,and it will automatically start working after the fault is eliminated.
4. When the BMS needs to stop charging, it needs to send the charger to turn off the output command, confirm that the output current of the charger is less than 10% of the maximum current, or directly delay for 3-5S before closing the relay between the charger and the battery.
5. At the beginning, because the BMS does not close the relay between the charger and the battery, the charger will report 1 (battery is not connected or connected reversely) fault after it is powered on.If the heating mode command sent by BMS is received, even if there is no battery voltage, it is considered that the battery is connected normally, and the battery reverse connection protection fails.

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