

## CAN Protocol

Frame type using standard frame. Communication rate: 500Kbps, data transmission cycle: 1s.

帧类型采用标准帧，通讯速率为 500Kbps，数据发送周期 1s。

Data answer per second from inverter 0x305 : 00-00-00-00-00-00-00-00

逆变器每秒回复数据 0x305 : 00-00-00-00-00-00-00-00

CAN ID: 0x359

|        | Bit7   | Bit6 | Bit5 | Bit4          | Bit3            | Bit2          | Bit1            | Bit0                   |                |
|--------|--|------|------|---------------|-----------------|---------------|-----------------|------------------------|----------------|
| Data 0 | Over Current<br>Discharge                    |      |      | Under<br>temp | Over temp       | Under voltage | Over temp       |                        | Alarm          |
| Data 1 |  |      |      |               | BMS<br>internal |               |                 | Over Current<br>Charge |                |
| Data 2 | High Current<br>Discharge                    |      |      | Low temp      | High temp       | Low voltage   | High<br>voltage |                        | Warning        |
| Data 3 |  |      |      |               | BMS<br>internal |               |                 | High Current<br>charge |                |
| Data 4 | Pack number (data type : 8bit unsigned char) |      |      |               |                 |               |                 |                        | Pack<br>number |
| Data 5 | 'P'(0X50)                                    |      |      |               |                 |               |                 |                        |                |
| Data 6 | 'N'(0X4E)                                    |      |      |               |                 |               |                 |                        |                |

CAN ID: 0x351

|        | Bit7   | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
|--------|--|------|------|------|------|------|------|------|
| Data 0 | Battery Charge Voltage (data type : 16bit unsigned int, byte order : little endian, scale factor : 0.1,<br>unit : V) |      |      |      |      |      |      |      |
| Data 1 |  |      |      |      |      |      |      |      |

|        |   |
|--------|---|
| Data 2 | DC Charge Current Limitation (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor :0.1, unit : A)    |
| Data 3 |   |
| Data 4 | DC Discharge Current Limitation (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor :0.1, unit : A) |
| Data 5 |   |

CAN ID: 0x355

|        | Bit7   | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
|--------|--|------|------|------|------|------|------|------|
| Data 0 | SOC Value (data type : 16bit unsigned int, byte order : little endian, scale factor : 1, unit : %) |      |      |      |      |      |      |      |
| Data 1 |  |      |      |      |      |      |      |      |
| Data 2 | SOH Value (data type : 16bit unsigned int, byte order : little endian, scale factor : 1, unit : %) |      |      |      |      |      |      |      |
| Data 3 |  |      |      |      |      |      |      |      |

CAN ID: 0x356

|        | Bit7  | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
|--------|---|------|------|------|------|------|------|------|
| Data 0 | Battery Voltage (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor : 0.01, unit : V)       |      |      |      |      |      |      |      |
| Data 1 |   |      |      |      |      |      |      |      |
| Data 2 | Battery Current (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor : 0.1, unit : A)        |      |      |      |      |      |      |      |
| Data 3 |   |      |      |      |      |      |      |      |
| Data 4 | Battery Temperature (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor : 0.1, unit : degC) |      |      |      |      |      |      |      |
| Data 5 |   |      |      |      |      |      |      |      |

CAN ID: 0x35E

|        | Bit7                    | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
|--------|-------------------------|------|------|------|------|------|------|------|
| Data 0 | Manufacturer-Name-ASCII |      |      |      |      |      |      |      |
| Data 1 |                         |      |      |      |      |      |      |      |

|        |  |
|--------|--|
| Data 2 |  |
| Data 3 |  |
| Data 4 |  |
| Data 5 |  |
| Data 6 |  |
| Data 7 |  |

CAN ID: 0x35C

|        | Bit7          | Bit6             | Bit5               | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 |
|--------|---------------|------------------|--------------------|------|------|------|------|------|
| Data 0 | Charge enable | Discharge enable | Charge immediately |      |      |      |      |      |
| Data 1 |               |                  |                    |      |      |      |      |      |

Charge immediately: 紧急充电