

# BMS Protocol for Solar Inverter Family

## CAN 协议说明

帧类型采用标准帧，通讯速率为 500Kbps，数据发送周期 1s。

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

CAN ID : 0x359

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
Data 0	Battery High Current Discharge			Battery Low Temp	Battery High Temp	Battery Low Voltage	Battery High Voltage	SUB Relay Command	Alarm
Data 1				Cell Imbalance	BMS Internal			Battery High current Charge	
Data 2	Battery High Current Discharge			Battery Low Temp	Battery High Temp	Battery Low Voltage	Battery High Voltage		Warning
Data 3		SUB Pack2 Error	SUB Pack1 Error	Cell Imbalance	BMS Internal			Battery High current Charge	

**CAN ID : 0x351**

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Data 0	Battery Charge Voltage (data type : 16bit unsigned int, byte order : little endian, scale factor : 0.1, 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**

CAN ID : 0x355	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
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**

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
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								