# **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

CAN ID: 0x359

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
Data	Battery High Current			Battery Low	Battery High	Battery Low	Battery High	CLID Delay Command	
0	Discharge			Temp	Temp	Voltage	Voltage	SUB Relay Command	Alama
Data				Call Imbalance	DMC Internal			Battery High current	Alarm
1				Cell Imbalance	BMS Internal			Charge	
Data	Battery High Current			Battery Low	Battery High	Battery Low	Battery High		
2	Discharge			Temp	Temp	Voltage	Voltage		Morning.
Data		SUB Pack2	SUB Pack1	Call Imbalance	D140 1 4 1			Battery High current	Warning
3		Error	Error	Cell Imbalance BMS Internal				Charge	

#### **CAN ID: 0x351**

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0			
Data 0	Dettern Change Valte as (date time a 40hit unaigne ad int bute ander a little anding a sale factor a 0.4 unit a 1/0										
Data 1	Dallery Ci	Battery Charge Voltage (data type: 16bit unsigned int, byte order: little endian, scale factor: 0.1, unit: V)									
Data 2	DC Charge Current Limitation (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor :										
Data 3	0.1, unit : A)										
Data 4	DC Discharge Current Limitation (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor :										
Data 5	0.1, unit :	A)									

#### **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											
Data 1	ballery vollage (	Battery Voltage (data type: 16bit signed int, 2's complement, byte order: little endian, scale factor: 0.01, unit: V)									
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											
Data 5	Battery Temperature (data type : 16bit signed int, 2's complement, byte order : little endian, scale factor : 0.1, unit : degC)										