

## 1. Supported BMS communication protocols

PRO	Manufacturer	Protocol Name	Protocol Type	Fixed ID
1	Narada	SHINWA BMS ModbusV1.3_181127EN	Modbus	(0x27)
2	Narada	Narada lithium battery BMS communication protocol V1.8	Encrypted Modbus	1(0x01)
3	LinkData	PACE BMS Modbus Protocol for RS485 V1.3(2017-06-27)	Modbus	1(0x01)
4	LinkData	Updated -BMS protocol_V2_6 (compatible with BMS009_customized)(20190925)	Telecom	0
5	Sacredsun	Topband RS485_RS232 BMS protocol V1.4	Telecom	2
6	Ritar	RS485_RS232 BMS Communication Protocol RITAR(1)	Telecom	2
7	Sacredsun	485 Modbus Protocol V1.3	Modbus	1(0x01)
8	Ritar	Modbus-BMS-protocol V1.6	Modbus	1
9	Sunnew	Sunnew xxSxxP ESS Protocol V1.0	Modbus	1
10	EPEVER	EPEVER_BMS_RS485_Modbus_Protocol V1.6	Modbus	4
11	PYLONTECH	RS485-protocol-pylon-low-voltage-V3.3-20180821	Telecom	2
12	MERITSUN	RS-485 Communication Protocol	Telecom	2
13	FOXESS	LV Battery RS485 Protocol	Telecom	2
14	AOBO	AOBO battery 485 Comm. protocol for BMS to Inverter or EMS	Modbus	1
15	MERITSUN (BRAZIL)	Luxpowertek Battery Protocol RS485_V01	Modbus	1
16	UNICOBA	MODbus Communication Protocol -UPLFP48.v2 (Communication baud rate 19200)	Modbus	1
17	EverExceed	RS485-protocol-EverExceed-low-voltage-V3.5	Telecom	12
18	Shanghai energy	BMS Communication Protocol_V2.0	Telecom	1
19	Dyness	Modbus Protocols for Inverter	Modbus	1

20	UNICOBA	MODbus Communication Protocol -UPLFP48.v2 (Communication baud rate 9600)	Modbus	1
21	PYLONTECH	RS485-protocol-pylon-low-voltage-V3.5-20191223	Telecom	1
22	JIN YUAN HUAN YU	BMS Communication Protocol _V2_6	Telecom	1
23	OLITER	OLITER BMS Communication Protocol	Modbus	1
24	Sunstone	Sunstone BMS-485	Modbus	170(0xAA)
25	TOPBAND	BMS Modbus Protocol for RS485 V1.5	Modbus	1
26	Voltronic Power	Inverter and BMS 485 communication protocol Ellis/Lory/Jenny	User Define	1
27	EPEVER	low voltage protocol RS485 V1.0	Telecom	1
28	PYTES	PYTES battery protocol RS4851.19(2023-12-06)	Telecom	1
29	Jinko	Jinko protocol	Telecom	1
30	Dyness	RS485-protocol-pylon-low-voltage-V3.3-dq	Telecom	1
31	SRP	RS485-protocol-pylon-low-voltage-V3.5-rs	Telecom	1
32	EPEVER	RS485 remote temperature	Modbus	29
33	Jiabaida	Jiabaida software board common protocol	User Define	0xDD

Note: The battery manufacturers listed in this table are not used as a basis for recommendation and quality commitment.

## 2. Fixed ID Vs DIP switch

Fixed ID \ DIP switch	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6
0	OFF	OFF	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF	OFF

Any changes without prior notice! Version number: V1.4