



GOODWE

your solar engine

Goodwe and US3000C/US2000C/UP5000



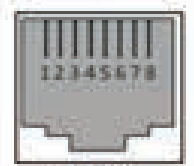
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Changes to the pinout of the CAN communication has been made on the newer Pylontech batteries.

The older type used pin 2 as ground. However, this must not be used on the newer type C batteries as it can interfere with the BMS communication.

The first image is the pinout on the Goodwe BMS, the second is Pylontech type C. You can see on the Pylontech than pin 1,2 and 3 should not be used.

	A/CAN	B/RS485
Pin 1	These pins shall be NULL. If not, may Influence communication between BMS and inverter.	
Pin 2		
Pin 3		
Pin 4	CAN-H	CAN-H (single group)
Pin 5	CAN-L	CAN-L (single group)
Pin 6	CAN-GND	CAN-GND (single group)
Pin 7	485A	485A
Pin 8	485B	485B



RJ45 Port



RJ45 Plug

Position	Colour	BMS Function	Smart Meter Function	EMS
1	Orange & White	485_A2	NC	485_A
2	Orange	NC	NC	485_B
3	Green & White	485_B2	485_B1	485_A
4	Blue	CAN_H	NC	NC
5	Blue & White	CAN_L	NC	NC
6	Green	NC	485_A1	485_B
7	Brown & White	NC	485_B1	NC
8	Brown	NC	485_A1	NC

The included BMS cable on the Goodwe still uses pin 2 which may cause issues with BMS communication this will need to be corrected.

Option 1: Pin 2 can be removed from the original cable on the battery side.

Option 2: A new cable can be made with just pin 4 and 5 used.

