solis
inverters

Solis/Kodak Hybrid 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.

Figure 1 is the pinout on the new Pylontech batteries. As illustrated, pin 1, 2 and 3 should not be used.

Figure 2 is the pinout diagram for the Solis BMS cable.

Definition of RJ45 Port Pin

	A/CAN	B/RS485
Pin1	These pins shall be NULL.	
Pin2	If not, may influence communication	
Pin3	between BMS and inverter.	
Pin4	CAN-H	CAN-H (single group)
Pin5	CAH-L	CAN-L (single group)
Pin6	CAN-GND	CAN-GND (single group)
Pin7	485A	485A
Pin8	485B	485B

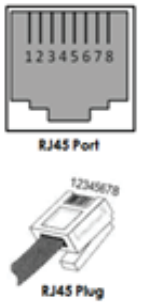

Figure 1: Pylontech definition of RJ45 for new batteries

	CAN
Pin1	
Pin2	CAN-GND
Pin3	
Pin4	CAN-H
Pin5	CAN-L
Pin6	
Pin7	
Pin8	

Figure 2: Solis BMS cable pinouts

The included BMS cable on the Solis inverters 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 pin 4 and 5 used for CAN-H and CAN-L respectively. Then the GND pin connected as shown in Figure 4.

Figure 3: Option 1 configuration

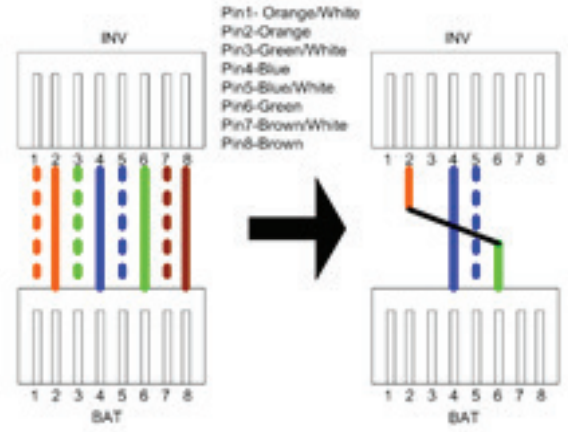

Figure 4: Option 2 configuration