Inverter matching list

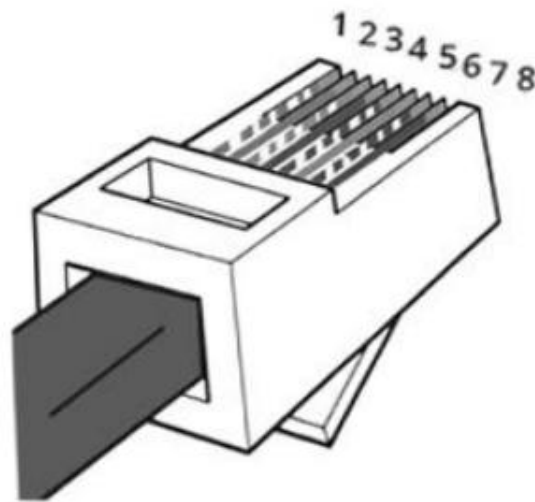## We Felicity hereby authorize

Low voltage battery packs are compatible with the following brands of inverters

CAN/RS485 Matched Hybrid Inverter Brands			
Brand	Model No.	Communication protocol	Cable Supply
Felicitysolar	IVEM series IVGM5048 IVGM10048 IVGM15048 IVPS/IVPM/IVPA series	RS485	Rj45
Deye	SUN- 3 / 3.6 / 5 / 6 K-SG04LP1-EU. SUN- 3.6 / 5 / 6 K-SG03LP1-EU. SUN- 3.6 / 5 / 6 / 7.6 / 8 K SG05LP1-EU. SUN- 5 / 6 K-SG01LP1-US. SUN- 7.6 / 8 K-SG01LP1-US/EU. SUN- 5 / 6 / 8 / 10 / 12 K SG04LP3-EU. SUN- 12 / 14 / 16 K-SG01LP1-EU.	RS485/CAN	Rj45
Luxpower	LXP 3.6K/4.6K/5K Hybrid LXP 3600 ACS series.	RS485	Rj45
Growatt	SPF 3500 ES / SPF 5000 ES SPF 3000TL LVM-ES	RS485/CAN	Rj45
Voltronic	Infini Solar V IV TWIN 6/6.5/8kw Axpert VM III Axpert VM IV Axpert MKS III Axpert MKS IV Axpert MAX Axpert MAX II	RS485	Rj45
Sunsynk	SUNSYNK-3.6/5/8K-SG01LP1 SYNK-8/10/12K-SG04LP3	RS485	Rj45

	SUNSYNK MAX		
Megarevo	R8KLNA R7K6LNA R6KLNA R5KLNA	RS485/CAN	Rj45
Victron	Only LPBA-OL and EC series batteries can communicate directly. Other series of batteries need to communicate with our communication box.	CAN	Rj45
SRNE	HF4830S60-H/HF4850S80-H HF4835U60-H/HF4850U80-H HF4850S80 -145 HF4830U60 -145/HF4835U80 -145	RS485	Rj45
Solis	Only LPBA-OL and EC series batteries can communicate directly. Other series of batteries need to communicate with our communication box. S6-EH1P(3-6)K-L-EU S6-EH1P8K-L-PRO	CAN	Rj45
MPPsolar	PIP-MT SERIES U-GK/U-MS SERIES PIP-MKX SERIES PIP-MAX SERIES PIP-MGX SERIES PIP-MK SERIES PIP-GK SERIES	RS485	Rj45
Sofar	HYD 6000-EP	CAN	Rj45
Noted: Only LPBA-OL and EC series of batteries can use CAN protocol communicate directly. Other series of batteries need to communicate with our communication box.			

The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

(1) RS485 Protocol pins defined.

	NO.	Felicitysolar	Deye	LuxPower	Growatt	Voltronic	MegaRevo	SRNE	Mppsolar
RS485	Pin1	GND	RS485B	RS485B	RS485B	×	×	×	×
	Pin2	×	RS485A	RS485A	RS485A	×	×	GND	×
	Pin3	×	GND	×	×	RS485B	×	×	×
	Pin4	×	×	×	×	×	×	×	RS485-A
	Pin5	RS485B	×	×	×	RS485A	×	×	RS485-B
	Pin6	RS485A	GND	×	×	×	×	×	×
	Pin7	×	RS485A	×	×	×	RS485A	RS485A	×
	Pin8	×	RS485B	GND	×	GND	RS485B	RS485B	GND

(2) CAN Protocol pins defined.

	NO.	Felicitysolar	Victron	Solis	Deye	MegaRevo	Growatt	Sofar
CAN	Pin1	×	×	×	×	×	×	CAN_H
	Pin2	×	×	×	×	×	×	CAN_L
	Pin3	CAN_L	×	×	×	×	×	×
	Pin4	CAN_H	×	CAN_H	CAN_H	CAN_H	CAN_H	×
	Pin5	×	×	CAN_L	CAN_L	CAN_L	CAN_L	×
	Pin6	×	×	×	×	×	×	×
	Pin7	CAN_L	CAN_H	×	×	×	×	×
	Pin8	CAN_H	CAN_L	×	×	×	×	×

(3)For example, if you want to let our battery to communicate with Victron inverter, you need to make a communication cable like the one below.

	NO.	Felicitysolar	Victron
CAN	Pin1	×	×
	Pin2	×	×
	Pin3	×	×
	Pin4	×	×
	Pin5	×	×
	Pin6	×	×
	Pin7	CAN_L	CAN_H
	Pin8	CAN_H	CAN_L