

Inverter matching list

We Felicity hereby authorize

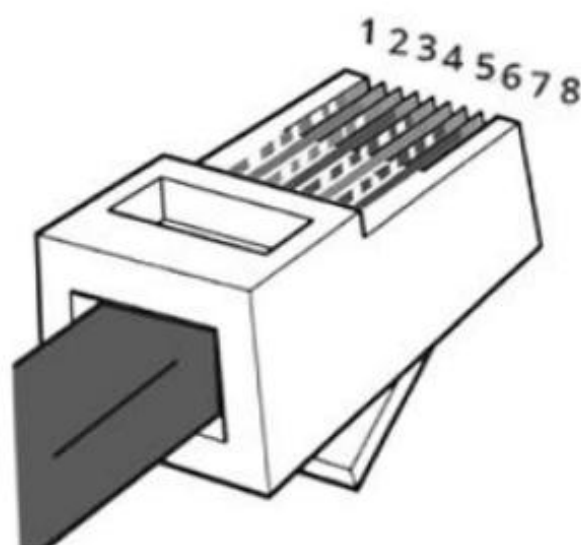
*Low voltage battery packs are compatible with the following
brands of inverters*

<i>CAN/RS485 Matched Hybrid Inverter Brands</i>			
<i>Brand</i>	<i>Model No.</i>	<i>Communication protocol</i>	<i>Cable Supply</i>
<i>Felicitysolar</i>	IVEM series IVGM5048 IVGM10048 IVGM15048 IVPS/IVPM/IVPA series	RS485	RJ45
<i>Deye</i>	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
<i>Luxpower</i>	LXP 3.6K/4.6K/5K Hybrid LXP 3600 ACS series. LXP-LB-EU 6-8K LXP-LB-EU 8-10K LXP-LB-EU 12K	CAN	RJ45
<i>Growatt</i>	SPF 3500 -5000 ES SPF 6000 ES Plus	RS485/CAN	RJ45

<i>Voltronic</i>	<i>Infini Solar V IV TWIN 6/6.5/ 8kw</i> <i>Axpert VM III</i> <i>Axpert VM IV</i> <i>Axpert MKS III</i> <i>Axpert MKS IV</i> <i>Axpert MAX</i> <i>Axpert MAX II</i>	<i>RS485</i>	<i>RJ45</i>
<i>Sunsynk</i>	<i>SUNSYNK-3.6/5/8K-SG01LP1</i> <i>SYNK-8/10/12K-SG04LP3</i> <i>SUNSYNK MAX</i>	<i>RS485</i>	<i>RJ45</i>
<i>Megarevo</i>	<i>R(5-8)KLNA</i> <i>R(6-15)KH3</i> <i>R(3-6)KL1</i>	<i>CAN/RS485</i>	<i>RJ45</i>
<i>Victron</i>	<i>To ensure successful communication, please use this Cerbo GX box to communicate with our battery.</i> 	<i>CAN</i>	<i>RJ45</i>
<i>SRNE</i>	<i>HF4830S60-H/HF4850S80-H</i> <i>HF4835U60-H/HF4850U80-H</i> <i>HF4850S80 -145</i> <i>HF4830U60 -145/HF4835U80 -145</i> <i>HES48(80-120)S200-H</i> <i>HES48(80-120)U200-H</i> <i>HES48(40-60)S200-H</i>	<i>RS485</i>	<i>RJ45</i>
<i>Solis</i>	<i>S6-EH1P(3-6)K-L-EU</i> <i>S6-EH1P8K-L-PRO</i> <i>S5-EH1P(3-6)K-L</i>	<i>CAN</i>	<i>RJ45</i>

<i>MPPsolar</i>	<i>PIP-MT SERIES</i> <i>U-GK/U-MS SERIES</i> <i>PIP-MKX SERIES</i> <i>PIP-MAX SERIES</i> <i>PIP-MGX SERIES</i> <i>PIP-MK SERIES</i> <i>PIP-GK SERIES</i>	<i>RS485</i>	<i>RJ45</i>
<i>Afore</i>	<i>AF(1-3.6)K-SL</i> <i>AF(3-6)K-SL</i>	<i>CAN</i>	<i>RJ45</i>
<i>SOFAR</i>	<i>HYD 3000-6000-EP</i>	<i>CAN</i>	<i>RJ45</i>
<i>CHISAGE ESS</i>	<i>MARS-5-14G2-LE</i> <i>MARS-5-14G1-LE</i> <i>JUP-5-10G2-LE</i>	<i>CAN</i>	<i>RJ45</i>

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	Afore	SOFAR
CAN	Pin1	×	×	×	×	×	×	×	CAN_H
	Pin2	×	×	×	×	×	×	×	CAN_L
	Pin3	CAN_L	×	×	×	×	×	×	×
	Pin4	CAN_H	×	CAN_H	CAN_H	CAN_H	CAN_H	CAN_H	×
	Pin5	×	×	CAN_L	CAN_L	CAN_L	CAN_L	CAN_L	×
	Pin6	×	×	×	×	×	×	×	×
	Pin7	CAN_L (Just for EC and LPBA48100-OL)	CAN_H	×	×	×	×	×	×
	Pin8	CAN_H (Just for EC and LPBA48100-OL)	CAN_L	×	×	×	×	×	×

(3) For example, if you want to let our LPBA48100-OL battery to communicate with Victron inverter directly, you need to make a communication cable like the one below.

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

