

Inverter matching list

Revision History

Version	Revision Date	Revision Description
1.0	2025.3	增加了与德业的匹配机型
2.0	2025.4	增加了 sofar 和 goodwe 机型

We Felicity hereby authorize

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

CAN/RS485 Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
Felicitysolar/ FelicityESS	IVEM series IVGM5048/T-REX-5KLP1G01 IVGM10048/T-REX-10KLP3G01 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. SUN-14/15/16/18/20K-SG05LP3-E U-SM2	RS485/CAN	RJ45
Luxpower	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	RS485/CAN	RJ45
Growatt	SPF 3500 -5000 ES SPF 6000 ES Plus	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 SUNSYNK MAX	RS485/CAN	RJ45
Megarevo	R(5-8)KLNA R(6-15)KH3 R(3-6)KL1	CAN/RS485	RJ45
Victron	To ensure successful communication, please use this Cerbo GX box to communicate with our battery. 	CAN	RJ45
SRNE	HF4830S60-H/HF4850S80-H HF4835U60-H/HF4850U80-H HF4850S80 -145 HF4830U60 -145/HF4835U80 -145 HES48(80-120)S200-H HES48(80-120)U200-H HES48(40-60)S200-H	RS485	RJ45
Solis	S6-EH1P(3-6)K-L-EU S6-EH1P8K-L-PRO S5-EH1P(3-6)K-L	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
Afore	AF(1-3.6)K-SL AF(3-6)K-SL	CAN	RJ45
SOFAR	HYD 3000-6000-EP AZZURRO 1PH HYD6000 ZSS HP	CAN	RJ45
CHISAGE ESS	MARS-5-14G2-LE MARS-5-14G1-LE JUP-5-10G2-LE	CAN	RJ45
SolaX Power	X1 hybrid LV 3-6K X1-Lite-12K-LV	CAN	RJ45
Sol-Ark	Sol-Ark 15K-2P-N Sol-Ark 12K / 8K / 5K (Outdoor) Sol-Ark 12K / 8K Legacy (Indoor)	CAN	RJ45
Hoymiles	HYS-7.6LV-USG1 HYS-9.6LV-USG1 HYS-11.5LV-USG1	CAN	RJ45
INVT	iMars XD3-6KTL	CAN	RJ45
AOHAI	AH-3-6KSL-G2	CAN	RJ45
Amensolar	N3H-X5 / 8 /10-US	CAN	RJ45

Goodwe	GW5048D-ES GW5000-SBP GW3600-SBP	CAN	RJ45
Shinemann	M5000H-48BP	CAN	RJ45



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*The following Felicity low-voltage battery packs are compatible with the above-mentioned inverter brands for communication:

1. LPBA Series (BMS V5 Version)
2. LPBF Series (BMS V5 Version)
3. FLA Series
4. LUX Series (Low-Voltage Battery Pack)
5. FLS Series

Note: Our battery is using **PYLON protocol**, in theory, our battery can communicate with inverters that support the PYLON protocol. For additional support, please contact our customer service staff.



Whatsapp:

E-mail: felicitysupport@felicitysolar.com

(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

