

Communication Guide for Felicity Battery and Voltronic Inverter

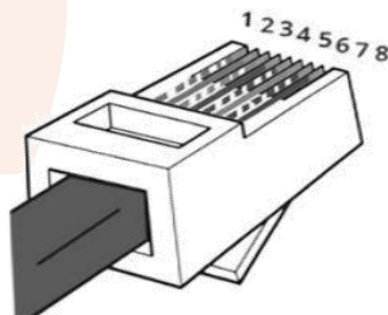
RS485 Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
Voltronic	Infini Solar V IV TWIN 6/6.5/ 8kw	RS485	RJ45
	Axpert VM III		
	Axpert VM IV		
	Axpert MKS III		
	Axpert MKS IV		
	Axpert MAX		
	Axpert MAX II		

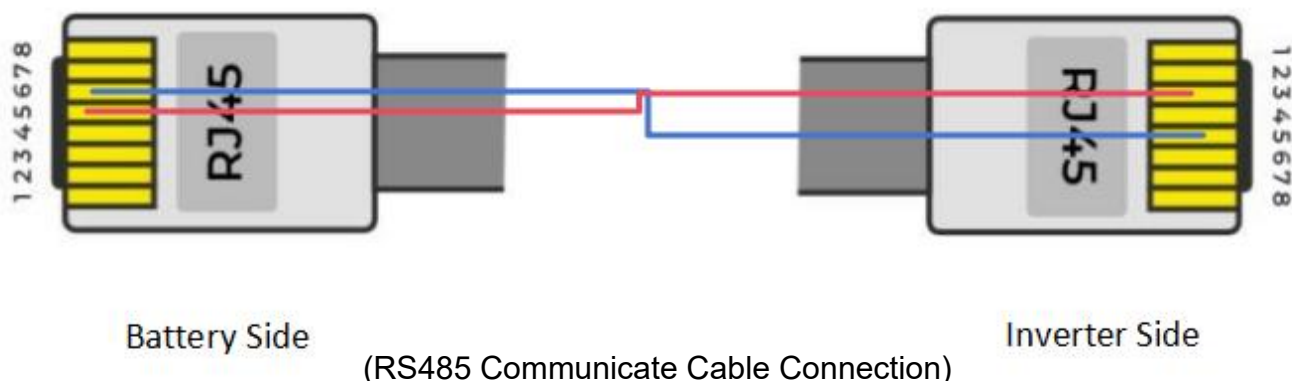
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Voltronic
RS485A	Pin6	Pin5
RS485B	Pin5	Pin3

(Order of Communication Cable)



(RJ45 Pin Sequence)

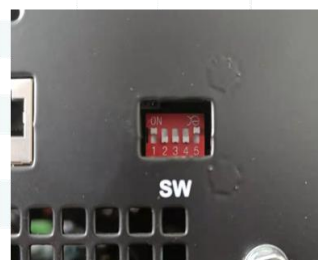


(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Follow the instructions below to set up the inverter.

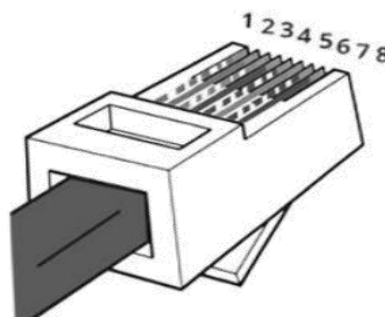
		AGM (default) 05	Flooded 05
		AGM 05	Fld
		User-Defined 05	If "User-Defined" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 26, 27 and 28.
		USE 05	If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		Pyrotech battery 05	If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		WECO battery 05	If selected, programs of 02, 12, 26, 27 and 29 will be auto-configured per battery supplier recommended. No need for further adjustment.
		WEC 05	If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		Solar battery 05	If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		SOL 05	If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		LiB-protocol compatible 05	Select "LiB" if using Lithium battery compatible to LiB protocol. If selected, programs of 02, 26, 27 and 29 will be automatically set up. No need for further setting.
		Li b 05	

Communication Guide for Felicity Battery and Tentek EMS Inverter

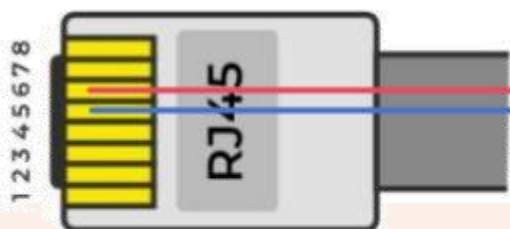
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Tentek EMS
RS485B	Pin5	Pin5
RS485A	Pin6	Pin1

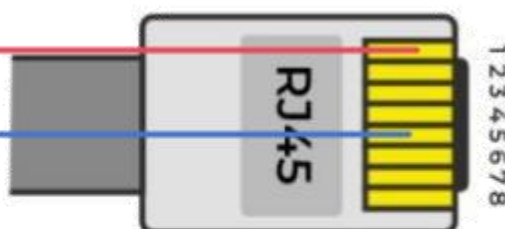
(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side



Inverter Side

(RS485 Communicate Cable Connection)



(Properly Connected Cable)

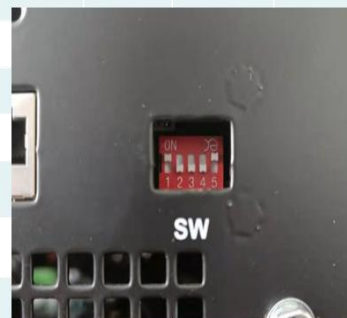
Note: The angled end should go into the Tentek EMS

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



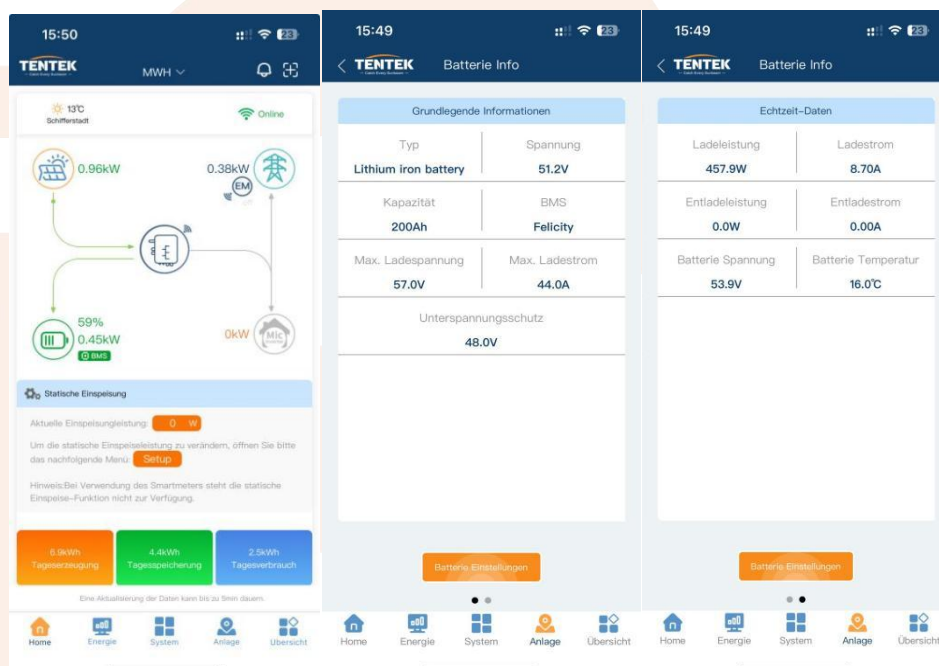
No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) After successful communication, you can see the battery information on the remote monitoring APP.



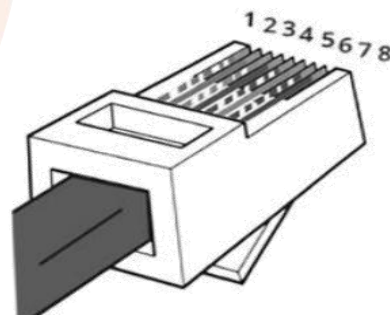
Communication Guide for Felicity Battery and SRNE Inverter

RS485 Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
SRNE	HF4830S60-H/HF4850S80-H	RS485	RJ45
	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		

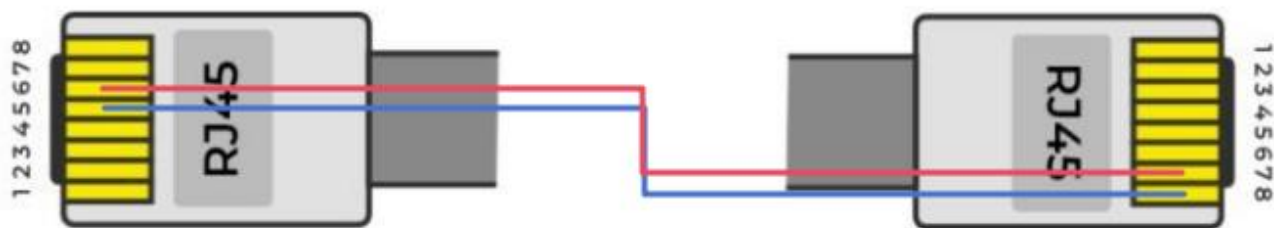
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	SRNE
RS485A	Pin6	Pin7
RS485B	Pin5	Pin8

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

Inverter Side

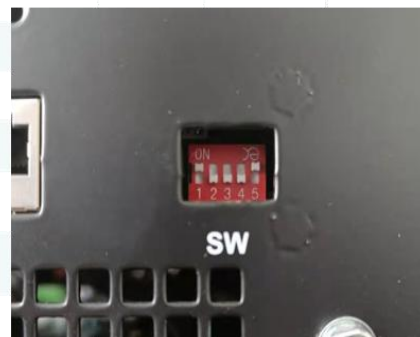
(RS485 Communicate Cable Connection)

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Follow the instructions below to set up the inverter.

A.08 Settings: Corresponding to the number of lithium battery strings (generally 16 cells).

08	Battery type	[08] USE	For user-defined, all battery parameters can be set.
		[08] SLd	Sealed lead-acid battery, constant voltage charge voltage 57.6V, float charge voltage 55.2V.
		[08] FLd	For vented lead-acid battery, charge voltage at constant voltage is 58.4V and float charge voltage is 55.2V
		[08] GEL default	For gel lead-acid battery, charge voltage at constant voltage is 56.8V and float charge voltage is 55.2V.
		[08] L14/L15/L16	Lithium iron phosphate battery L14/L15/L16 corresponds to lithium iron phosphate battery 14 strings/15 strings/16 strings;16 string/15 string/14 string default constant The voltage charging pressure is 56.8V, 53.2V, 49.6V, which are adjustable.
		[08] N13/N14	Ternary lithium battery; which is adjustable.

B.30 Settings: Set the DIP address (same as the battery address).

No. of Parameter	Name of Parameter	Setting Option	Description
30	RS485 Address setting	[30] 1 default	RS485 communication address setting range 1 ~ 254, (refer to Number [32] is valid when set as SLA)

C. 32 Settings: BMS Settings or 485 Settings.

D. 33 Settings: The agreement of the protection board manufacturer.

E. Connect RJ45 communication cable:

parallel or high voltage machine: connect RS485-B.

Other low-voltage machines: Connect RS485-A.

F. RJ45 communication cable:Guangzhou Felicity Solar Technology Co., Ltd

Corresponding to the 485 line sequence of the machine, only 7, 8 line sequence (7A, 7B) [The manual has the corresponding line sequence guidance].

(4) After successful communication, you can see the battery information on the display screen.

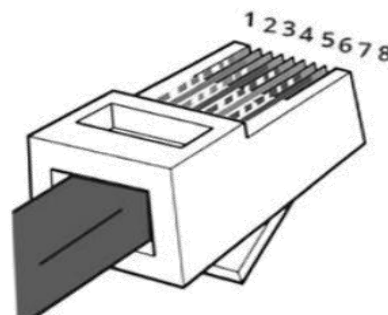
Communication Guide for Felicity Battery and MPPsolar Inverter

RS485 Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
MPPsolar	PIP-MT series	RS485	RJ45
	U-GK/U-MS series		
	PIP-MKX series		
	PIP-MAX series		
	PIP-MGX series		
	PIP-MK series		
	PIP-GK series		

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

	FelicityESS	MPPsolar
RS485A	Pin6	Pin4
RS485B	Pin5	Pin5

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

(RS485 Communicate Cable Connection)

Inverter Side

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) After successful communication, you can see the battery information on the display screen.

Communication Guide for Felicity Battery and Victron Inverter

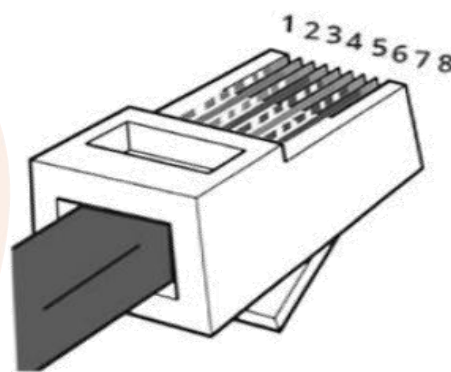
CAN Matched Hybrid Inverter Brands

Brand	Note	Communication protocol	Cable Supply
Victron	To ensure successful communication, please use this Cerbo GX box to communicate with our battery. 	CAN	RJ45

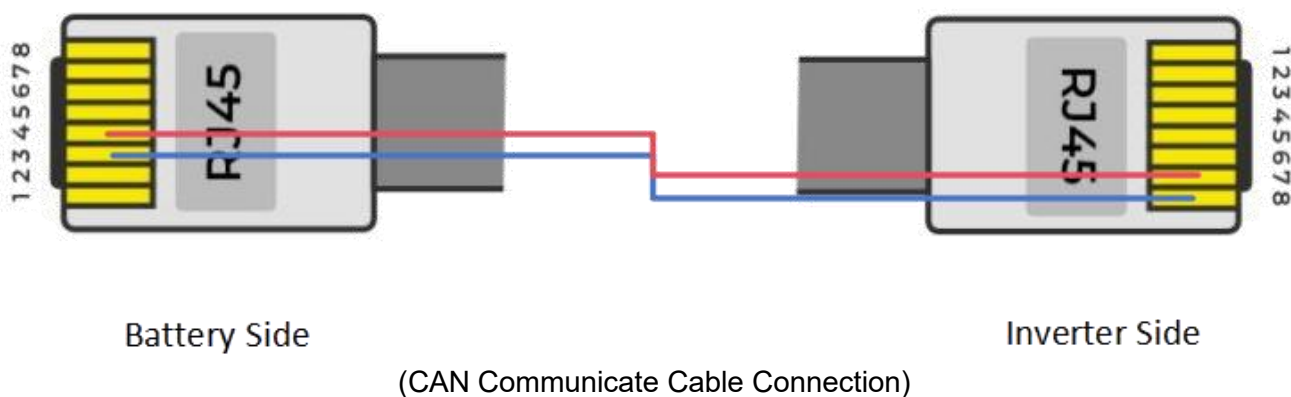
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Victron
CAN_L	Pin3	Pin8
CAN_H	Pin4	Pin7

(Order of Communication Cable)



(RJ45 Pin Sequence)

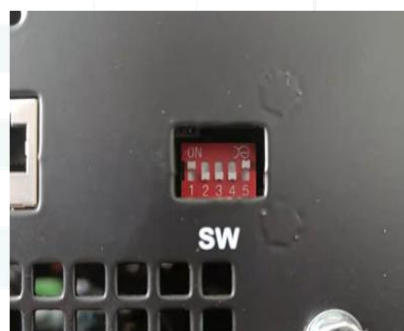


(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) After successful communication, you can see the battery information on the display screen.

Communication Guide for Felicity Battery and Solis Inverter

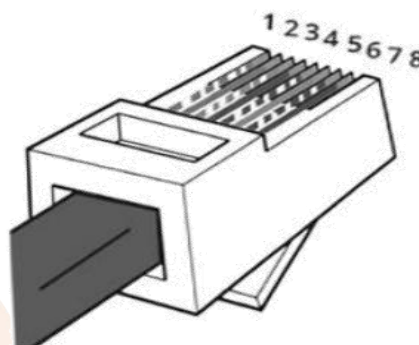
CAN Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
Solis	S5-EH1P(3-6)K-L	CAN	RJ45

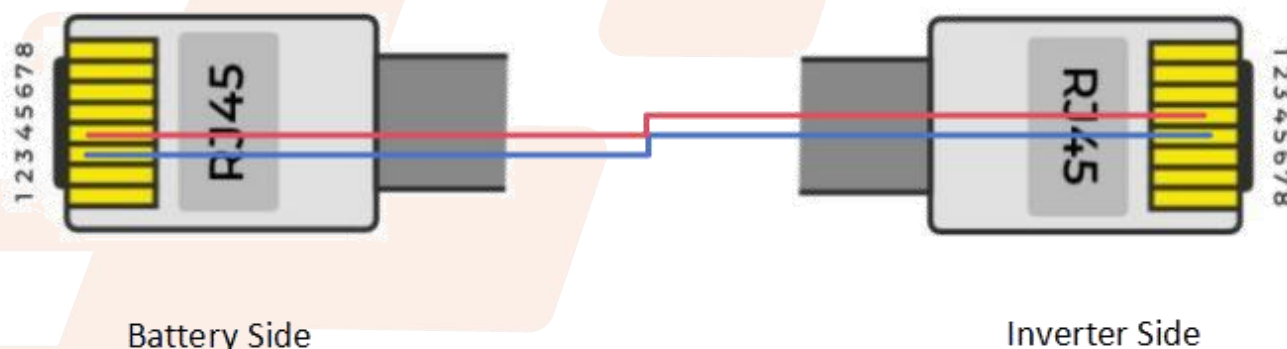
- (1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Solis
CAN_L	Pin3	Pin5
CAN_H	Pin4	Pin4

(Order of Communication Cable)



(RJ45 Pin Sequence)



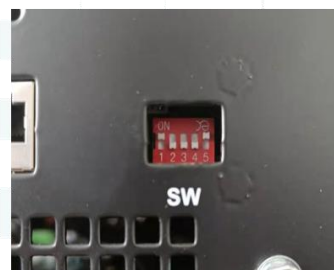
(CAN Communicate Cable Connection)

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



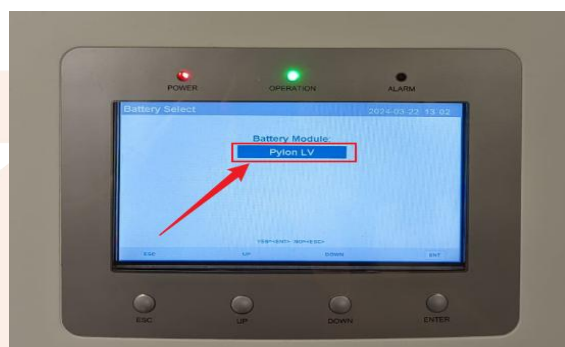
No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Setting battery module to Pylon LV.



(4) After successful communication, you can see the battery information on the display screen.



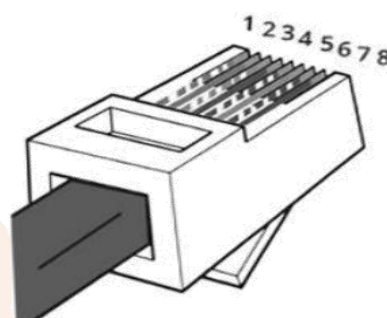
Communication Guide for Felicity Battery and Growatt Inverter

CAN Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
Growatt	SPF 3500 - 5000 ES	CAN	RJ45
	SPF 6000 ES Plus		

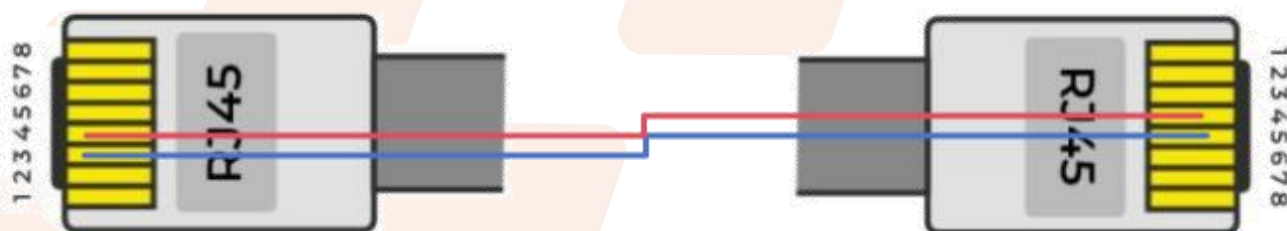
- (1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Growatt
CAN_L	Pin3	Pin5
CAN_H	Pin4	Pin4

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

Inverter Side

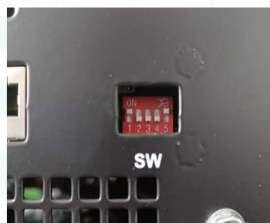
(CAN Communicate Cable Connection)

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Follow the instructions below to set up the inverter

05	Battery type	AGM (default)	BATT AGM 005
		Flooded	BATT FLD 005
		Lithium (only suitable when communicated with BMS)	BATT LI 005
		User-Defined	BATT USE 005
		If "User-Defined" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 19, 20 and 21.	
36	RS485 Communication protocol	User-Defined 2 (suitable when lithium battery without BMS communication)	BATT US2 005
		If "User-Defined 2" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 19, 20 and 21. It is recommended to set to the same voltage in program 19 and 20 (full charging voltage point of lithium battery). The inverter will stop charging when the battery voltage reaches this setting.	

36	RS485 Communication protocol	Protocol 1	PtCL L01 036
		Protocol 2	PtCL L02 036
		.	.
		.	.
		Protocol 50	PtCL L50 036
	CAN Communication protocol	Protocol 51	PtCL L51 036
		Protocol 52	PtCL L52 036
		.	.
		.	.
		Protocol 99	PtCL L99 036

(4) After successful communication, you can see the battery information on the display screen.

Communication Guide for Felicity Battery and Deye Inverter

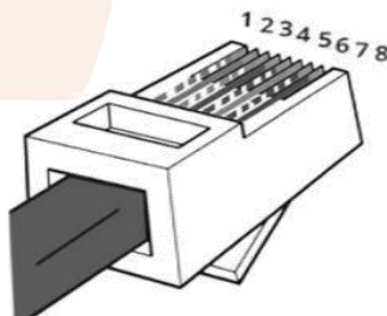
CAN Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
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.	CAN	RJ45

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

	FelicityESS	Deye
CAN_L	Pin3	Pin5
CAN_H	Pin4	Pin4

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

Inverter Side

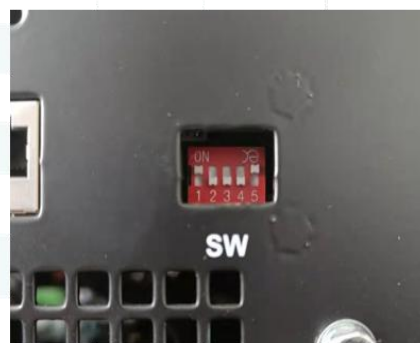
(CAN Communicate Cable Connection)

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



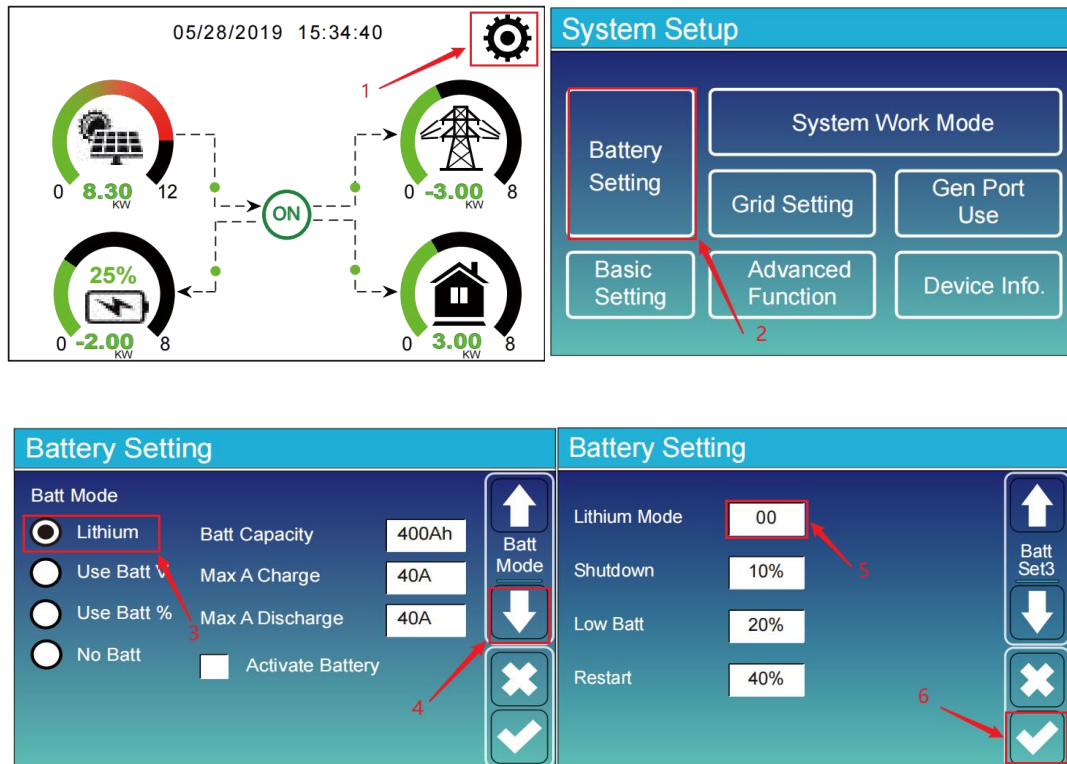
No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



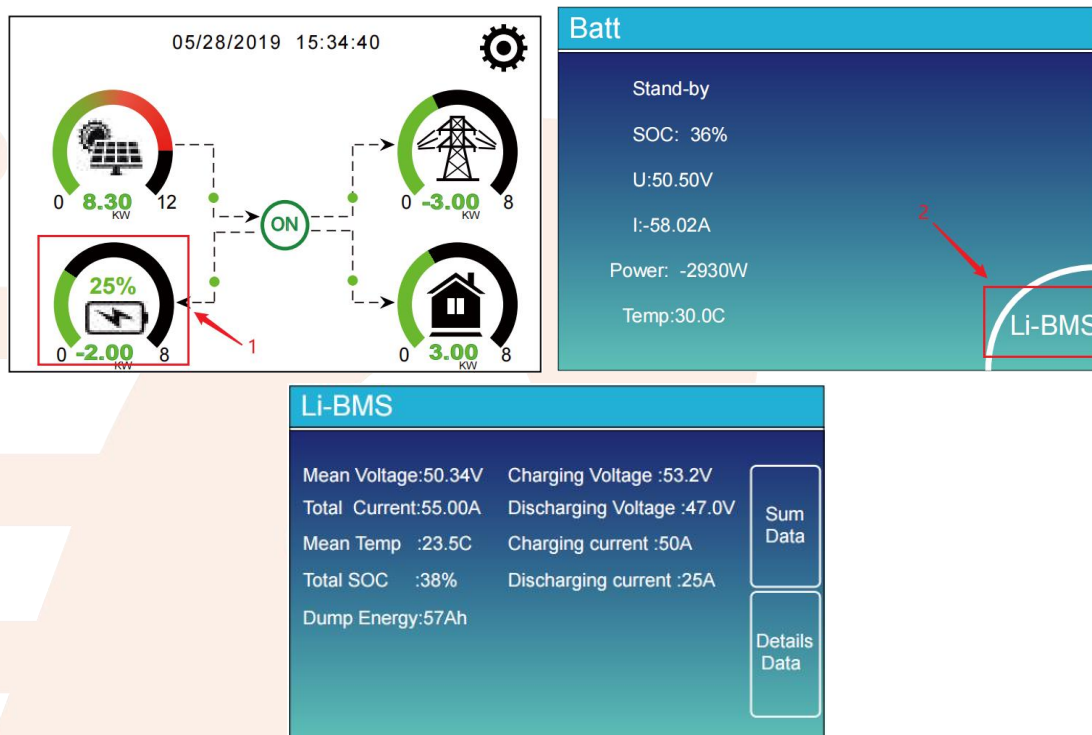
Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Follow the instructions below to set up the inverter.



(4) After successful communication, you can see the battery information on the display screen.



Communication Guide for Felicity Battery and Afore Inverter

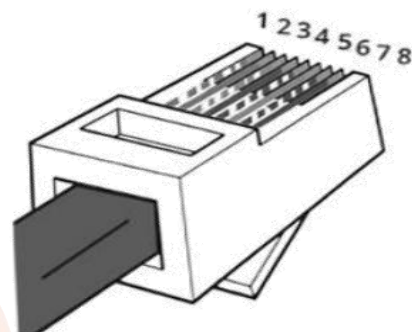
CAN Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
Afore	AF(1-3.6)K-SL AF(3-6)K-SL	CAN	RJ45

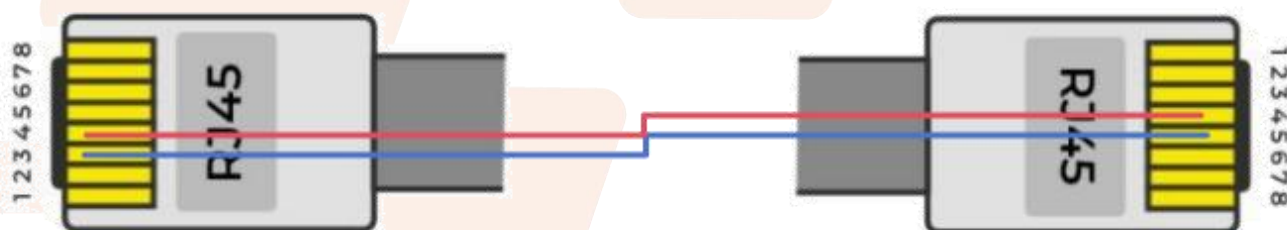
- (1) The corresponding communication pins are defined in the following table. Please make communication cable according to this table.

	FelicityESS	Afore
CAN_L	Pin3	Pin5
CAN_H	Pin4	Pin4

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

(CAN Communicate Cable Connection)

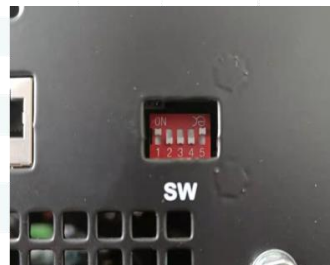
Inverter Side

(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch



No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) Follow the instruction below to set up the inverter.(inverter setting password is 5432)

Step 1		Step 2	
Step 3		Step 4	
Step 5			

(4) After successful communication, you can see the battery information on the display screen.