

PYLONTECH		
	Solis	
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-		555"

Pylontech Force H Series Battery & Solis Connection Guide

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Note:

This is an instruction for connection and commissioning between *Force H* battery and *Solis HV* series. Applicable battery models and inverter models are as follows:

Battery models	Inverter models
Force H1	S6-EH3P20K-H
Force H1-V2	RH1-1P-HVES-5G series
Force H2	RHI-3P-HVES-5G series
Force H2-V2	S5-EH1P(3-6)K-L
Force H3	S6-EA1P(3.6-6)K-L
	S6-EH1P(3-6)K-L-EU
	S6-EH3P(5-10)K-H-EU
	S6-EH1P(3.8-11.4)K-H-US
	S6-EH3P(29.9-50)K-H

For details of the connection or commissioning, please go to user manual of the battery and the inverter if you cannot find it in this guide.

Precautions:

Please ensure:

1.Battery and inverter are not damaged

2.The accessories in the original packaging are consistent with the packing list.

3. The battery breaker is turned off before making any installation.



GREEN	
OREEN	
RED	
	RED



Installation steps:

1. Power cable wiring:



















Figure3: Connection of the communication cable

Pin definition of the inverter BMS port is following EIA/TIA 568B. CAN-H on Pin 4: blue CAN-L on Pin 5: blue/white



Note: please follow the pin sequence of the initial RJ45 as below.

No.	CAN	Color	
1		Orange&White	
2	GND	Orange	12545078
3		Green&White	
4	CANH	Blue	
5	CANL	Blue&White	RJ45 Port
6		Green	12345678
7		Brown&White	
8		Brown	
	Figure 4:Pins set	up of the communication cable	

3. Turn on Force system and Solis inverter:

- 1. Turn on the AC switch between inverter and grid.
- 2. Turn on the DC switch between the Pylontech battery and inverter.
- 3. Switch on the main breaker on the Battery controller.
- 4. Press and hold the "Start" button of Force H system for more than 5sec until the buzzer rings, to turn on controller.
- 5. Turn on the DC switch between inverter and PV. (if applicable)
- 6. Turn on the DC switch of inverter. (if applicable)

RJ45 Plug





Inverter Commissioning:

1)	Download and install SolisCloud app on your smart phone and connect inverter via wireless.
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- There are three ways to download and install the latest APP:
- 1. You can visit www.soliscloud.com to download the latest version APP.
- 2. You can search "**SolisCloud**" in Google Play or App Store.



- 3. You can scan this QR code below to download "SolisCloud".

2) Open APP

ello! elcome to		Toelor Viold	
blisCloud	Jes .		
pytest			
Password	0	Monthly Annual Total Yield Yield Yield	
Remember	Forgot Password	46 kwh 513.1 kwh 514 kwh	
Logi	in		
I have agreed Privacy Pr	olicy Register	Current Power O w Capacity 10 kWp	
		Total Online Alarm Offline 1 ≥ 0 ≥ 0 ≥ 1 ≥	
		Day Month Year Total	
Language	More Tools	Part Evers Desrive Series Me	



Service C Local Operation		
Common tool Common	lethod	
Help	JUECOOTA	
FAQ Info.	VIFI	
Other Discover		
4) Select the Bluetooth signal from the inv	verter. (Bluetooth Name: Inverter SN)	
K Nearby Device	Control Verification	
If the device is not in the list, please click the "Se button at the bottom or drop-down to refresh the p	arch Device" O XXXXXXXXXXX	
Other Device	Select account type	4
xxxxxxxxxxxvivo TWS 2	 Enter password (6-characters) 	-
Search Device	Verify	
 5) Choose whether you are an installer or Then set your own initial password for Control Verification 	r an owner. control verification.	
• *****	• ****	
Select account type	Installer	
Enter password (6-characters)	Enter password (6-characters)	
Verify	Enter password again	
Installer	Please set the password of the installer's account before continuing	
Owner	Set Enable	
Cancel		
6) Quick Setting		







Service	Input datalogger SN	Input datalogger SN	Connect the network to
Common tool			Connect to the datalogger
🗵 🛜 🏠 🧕	7A12390792203829	7A12390792203829	network
Local WiFi Confi Warehouse Warranty Operation guration tool Inquiry	Next(1/3)	Next(1/3)	Please keep the current network!
Help			your phone to select the datalogger network D_7A12390792203829, and then return to the SolisCloud APP
			Demo WiFi1 🔒 🤋
FAQ Info.			Demo WiFi2
Other			D_7A12390792203829
			Demo WiFi3
Discover		Select Configuration Method	Demo WiFi4
		Configuration by Bluetooth	Demo WiFi5
		Browser Configuration	Demo WiFi6
△ 🖋 🕍 🛞 ৪		Cancel	Go to connect
Plant Events Overview Service Me Configuration Tip	Connect to Router view th	Configuration Complete	
	Connect to Router		
HESET	Click to connect router		
COM	Input router's password		
PAR		Configuration Complete	
Please turn on the		OK(3/3)	
configuration mode of the	Hint: 1. Connect the phone to the router	The setting is successed, the logger will try to	
Plug the datalogger into the inverter and	2. Configured WiFi will directly cover.	Note:	
wait for the indicator light of the datalogger to be stable. That means, the red light on the datalogger keeps on, and the green light flashes		 It takes about 1 minute for the datalogger to connect to the Internet. If the green indicator light on the logger is always on, it means that 	
every second, as shown in the figure above.Then you can start connecting to the WiFi signal of		the logger is rightly connected to the Internet. 2. If the green indicator light of the logger keeps flashing after 1 minute, please try reset	
(1) Make sure that the green light of the		it again. For more help or other questions, please check the installation manual or contact the local	
datalogger flashes at intervals. If the WiFi signal is not found, try re-plug the datalogger;		distributor for help.	
(2) If the WiFi signal still can not be found,			
I'm sure it is flashing			
Please add the data logge	er to the power plant		
Then you can find your in	verter in the Plant \rightarrow Dev	vice → Inverter interface a	nd control the inverter
< ♥ pydz ★ ···	< Add Datalogger OK	<	K Opydz 🖈 💀
Overview (+) Add Device	7A12390792203829		Overview Device Alarm Info
Shanghai He Delete Plant			Inverter Datalogger EPM Meteor
Modify Info			0 kW 0 kWh 51 kWh
Calibrate Energy			Inverter 10
0 S Calibrate Earning		Bound Successfully	Current Power Today Yield Total Yield
Nearby Plant		Continue to add	0 KVY 0 KVYN
Generation			Inverter 10: 113 pydz 2 hrs ago
Today Yield Monthly Yield Total Yield		View Plant	Current Power Today Yield Total Yield O kW O kWh 6 kWh
0 kWh 49 kWh 518 kWh ≈0CNY ≈27CNY ≈289.67CNY			O Inverter 10)22
Power Flow 🛞 🔳			pydz 21/08/2023
			Current Power Today Yield Total Yield O kw O kwh O kwh
			O Inverter 10. 2
PV Grid			pydz 06/05/2004 Current Power Today Yield Total Yield
			0 kw 0 kwh 1 kwh



9) If the communication between the battery and the inverter is successfully established, the battery parameters such as SOC, voltage, charge and discharge current limit can be displayed on this page.



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Notes

1.For detailed commissioning of the system on inverter, please follow Solis User Manual.

2. *Wrong commissioning will cause BMS communication failure.* Pylontech Force H series Battery only works when the communication is correctly connected.

Communication Status	LED on BMS	Description	Solution
Normal		Battery LED: Status	
	OTATUO	Inverter: Battery	
	STATUS	parameter displayed	
Abnormal	Abnormal	Battery LED: Status	1. Check pin sequence
		Orange solid	(Figure 4:Pins setup of the
		Inverter: No battery	communication cable)
	STATUS	parameters displayed	2. Check firmware version on Solarman

3.Battery Wi-Fi setting

For network connection, please scan the QR code below to get Network Connecting Instructions Wi-Fi Portal Introduction or contact Pylontech service team <service@pylontech.com.cn>for further questions.



The SN of the Solarman logger is located on the battery control module, as shown in the figure. *Figure 5: the location of logger's SN*





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