

Sol-Ark 15K Pytes V5 4 Battery Bundle Complete ESS



# Sol-Ark 15K Pytes V5 4 Battery Bundle Complete ESS Instruction Manual

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## Sol-Ark 15K Pytes V5 4 Battery Bundle Complete ESS



## Specifications:

- **Inverter Models:** Sol-Ark 15K, 8K, 12K
- **Cable Gauge:** 4/0 gauge recommended for Sol-Ark 15K model, 3/0 gauge recommended for 8K/12K models
- **Communication Cable:** Standard ethernet cable compatible with Pytes V Series battery

## Product Usage Instructions

### Connect the Cables and Set the DIP Switch

- Connect the power cables between the inverter and the battery or busbars according to the provided diagram.
- Use the recommended cable gauge for the specific Sol-Ark model.
- Plug in the communication cable, ensuring correct connections at both battery and inverter ends.
- Set the DIP switch on each master battery as instructed in the manual.

### Program the Inverter

Press the gear icon on the screen and navigate to the battery setup menu.

- Select “Use Batt% Charged.”
- Select “BMS Lithium Batt” and set its value to 00.
- Turn on “Activate Battery.”
- Touch OK to confirm settings.

### Confirm Inverter-Battery Communication

Check the screen for specific battery information to verify successful communication.

Refer to the Sol-Ark inverter manual for additional settings like Grid Setup, PV Setting, Time-of-Use, etc.

## Frequently Asked Questions

### Q: What cable gauge should be used for connecting the busbar to the inverter?

A: For the Sol-Ark 15K model, a 4/0 gauge power cable is recommended. For the 8K/12K models, a 3/0 gauge power cable is preferred.

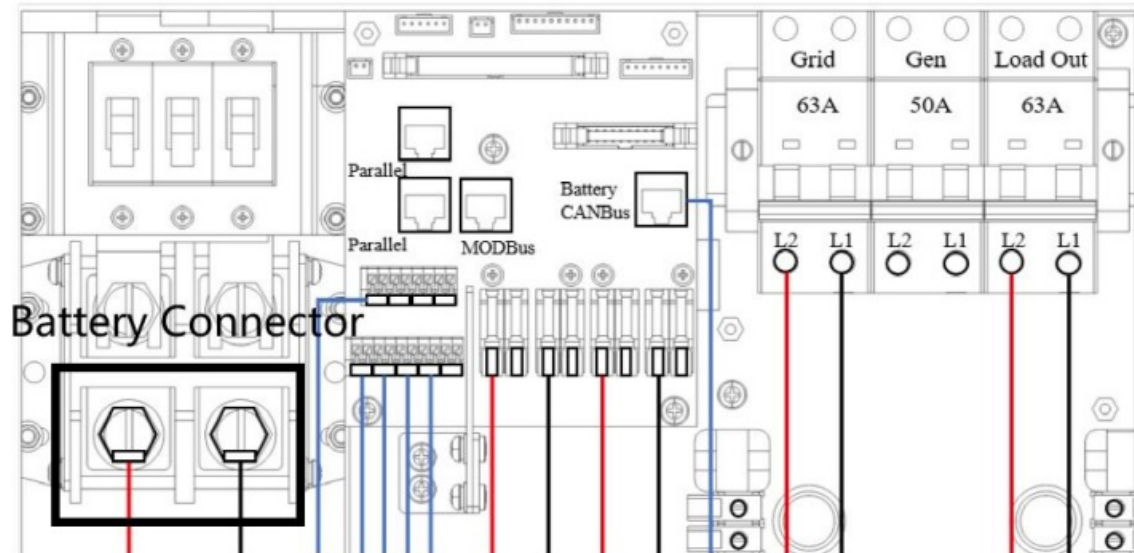
### Q: How do I confirm successful communication between the battery and inverter?

A: Check the screen for specific battery information after following the communication setup steps. If details are displayed, communication is successful.

### Connect the cables and set the DIP switch

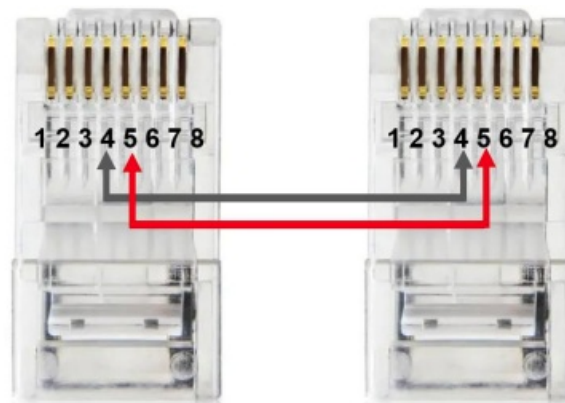
Connect the power cables between inverter and battery or the Busbars . See the Figure 2.1.1.1 to check the position of Sol-Ark Battery Connectors.

As for the cable gauge that connects the busbar to the inverter, 4/0 gauge power cable is commended for Sol-Ark 15K model and 3/0 gauge power cable is commended for 8K/12K model.



**Figure 2.1.1.1 Sol-Ark Battery Connectors**

A standard ethernet cable can be used for the communication since Sol-Ark inverter pin assignment is the same as Pytes V Series battery.



**Figure 2.1.1.2 Sol-Ark Standard communication cable**

Plug in the battery end into the CAN port of the Pytes 48100V battery and plug in the inverter end into Sol-Ark Battery CANBus Port as shown in the Figure 2.1.1.3.

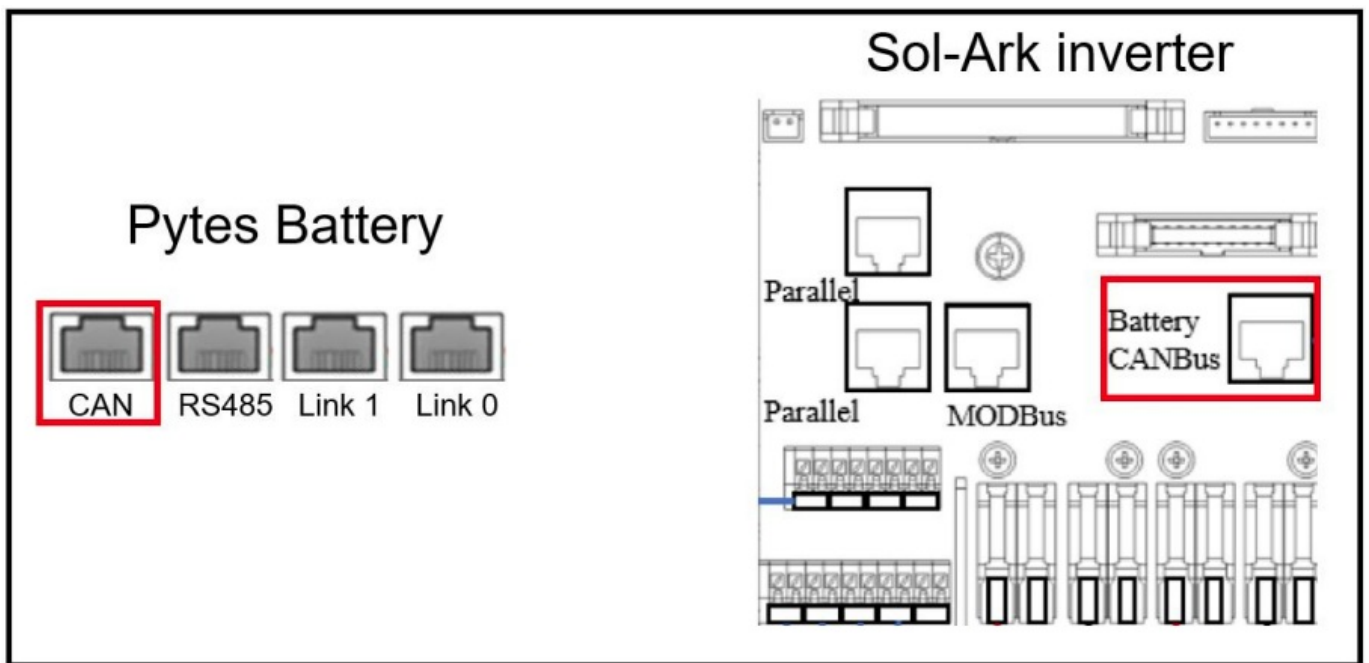


Figure 2.1.1.3 Sol-Ark inverter comm cable connection

Set the DIP Switch of every master battery as Figure 2.1.1.4 shown. If your battery only have four levers, please just set the first levers shown in the figure.

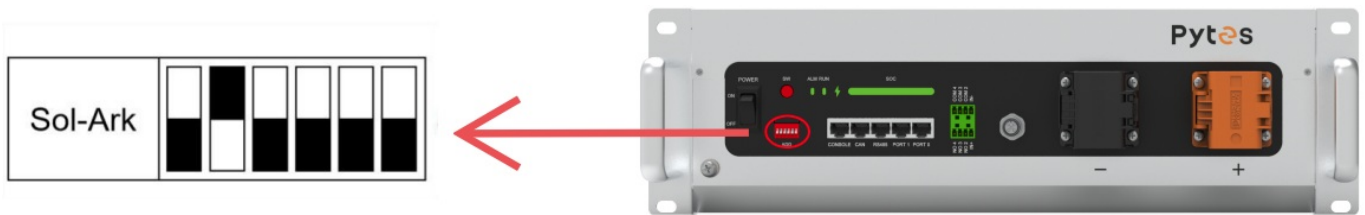


Figure 2.1.1.4 Sol-Ark inverter DIP Switch Setting

## Program the inverter

Press the gear icon on the top right of the screen and then press battery set up menu.

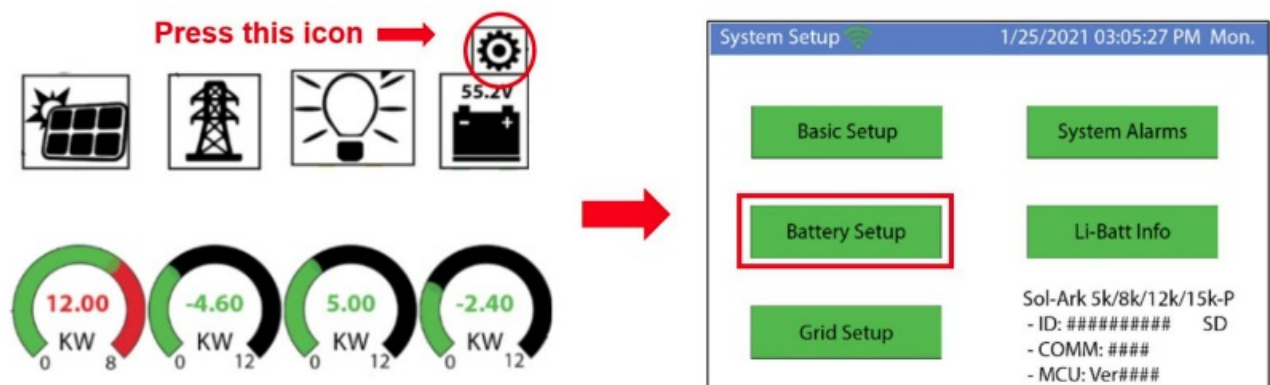


Figure 2.1.1.5 Sol-Ark Batt Setup

Batt Setup			
Batt	Charge	Discharge	Smart Load
Batt Capacity	400Ah	<input type="checkbox"/> Use Batt V Charged	
Max A Charge	275A	<input checked="" type="checkbox"/> Use Batt % Charged	
Max A Discharge	275A	<input type="checkbox"/> No Battery	
TEMPCO	-0mV/C/Cell	<input checked="" type="checkbox"/> BMS Lithium Batt	00
		<input checked="" type="checkbox"/> Activate Battery	
CANCEL		OK	

- Select “Use Batt% Charged”.
- Select “BMS Lithium Batt” and set its value to “00”.
- Turn on “Activate Battery”.
- Touch “OK”.

### Confirm Inverter-Battery Communication

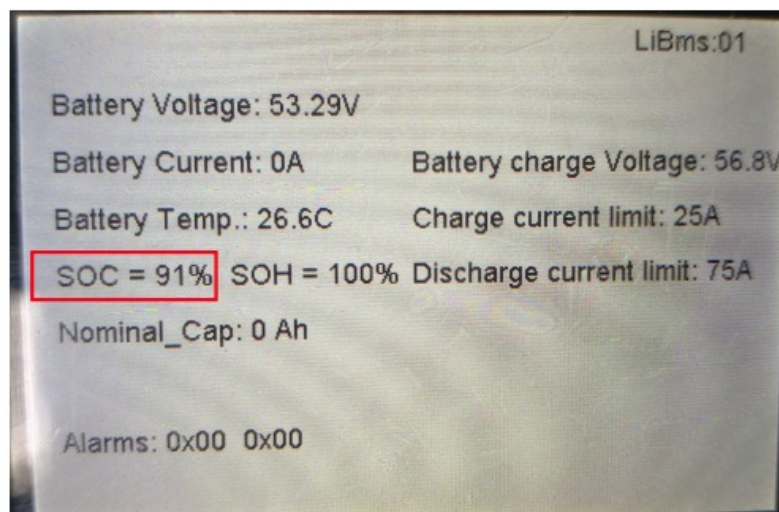
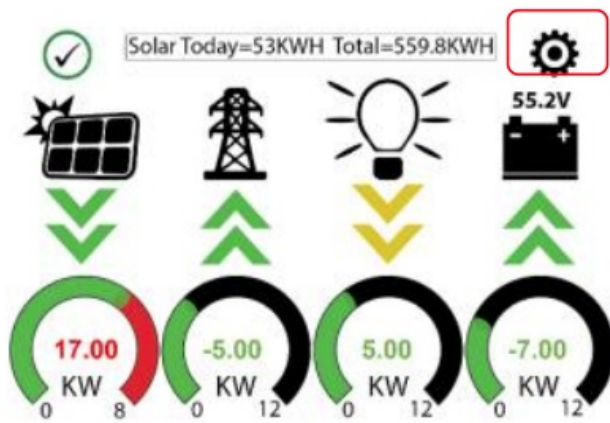



Figure 2.1.1.8 communication confirm

As shown in Figure 2.1.1.8, if the communication between the battery and the inverter is successful, the specific information of the battery will be displayed on the screen.

Please refer to the Sol-Ark inverter manual for more setting such as Grid Setup, PV Setting, Time-of-Use, etc.

## Documents / Resources

	<p><a href="#">Sol-Ark 15K Pytes V5 4 Battery Bundle Complete ESS</a> [pdf] Instruction Manual 15K Pytes V5 4 Battery Bundle Complete ESS, 15K Pytes, V5 4 Battery Bundle Complete ESS, Battery Bundle Complete ESS, Bundle Complete ESS, Complete ESS, ESS</p>
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## References

- [User Manual](#)

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