



EG4 ELECTRONICS LV6548 Battery Voltage Calibration SOP User Guide

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EG4 ELECTRONICS LV6548 Battery Voltage Calibration SOP



Product Information

Specifications

- Power Supply: 55.5V / 5A
- Communication Tool: RS232-USB cable
- PC Compatibility: Yes

Product Usage Instructions

Prepare

- Download and install the Communication Tool on your PC.
- Connect the RS232-USB cable to your PC.
- Connect the power supply (55.5V/5A) to the battery positive and negative connectors of the Inverter.

Calibrate the Battery Voltage

1. Turn on the Inverter, ensuring it is set to battery mode.
2. Double click on the Communication Tool to start the communication tool on your PC.
3. Connect the RS232 to USB cable to establish a connection between the Inverter and your PC.
4. In the Communication Tool window, locate and select the appropriate COM port. Enable CRC (Cyclic Redundancy Check) if available.
5. Send the command "BTA0" to the Inverter. The Inverter should return an acknowledgment (ACK).
6. Adjust the power supply to 55.5V and send the command "BTA1055.50" to the Inverter. The Inverter should

return an acknowledgment (ACK).

7. Adjust the power supply to 46V and send the command "BTA2046.00" to the Inverter. The Inverter should return an acknowledgment (ACK).
8. Change the power supply's voltage to a different value. Send the command "QPIGS" and compare the return value to the actual battery's voltage. They should be equal.

Frequently Asked Questions (FAQ)

Q: What is the purpose of calibrating the battery voltage?

A: Calibrating the battery voltage ensures accurate measurement and performance of the Inverter.

Q: Can I use a different power supply for calibration?

A: No, it is recommended to use the specified power supply (55.5V/5A) for accurate calibration results.

Q: What should I do if the Inverter does not return an acknowledgment (ACK) after sending a command?

A: Check the connection between the Inverter and your PC, ensure the power supply is correctly connected, and try again. If the issue persists, consult the troubleshooting section of the user manual or contact customer support.

Battery Voltage Calibration SOP

Prepare

- Communication Tool download
- RS232-USB cable
- PC
- Inverter

Calibrate the battery voltage

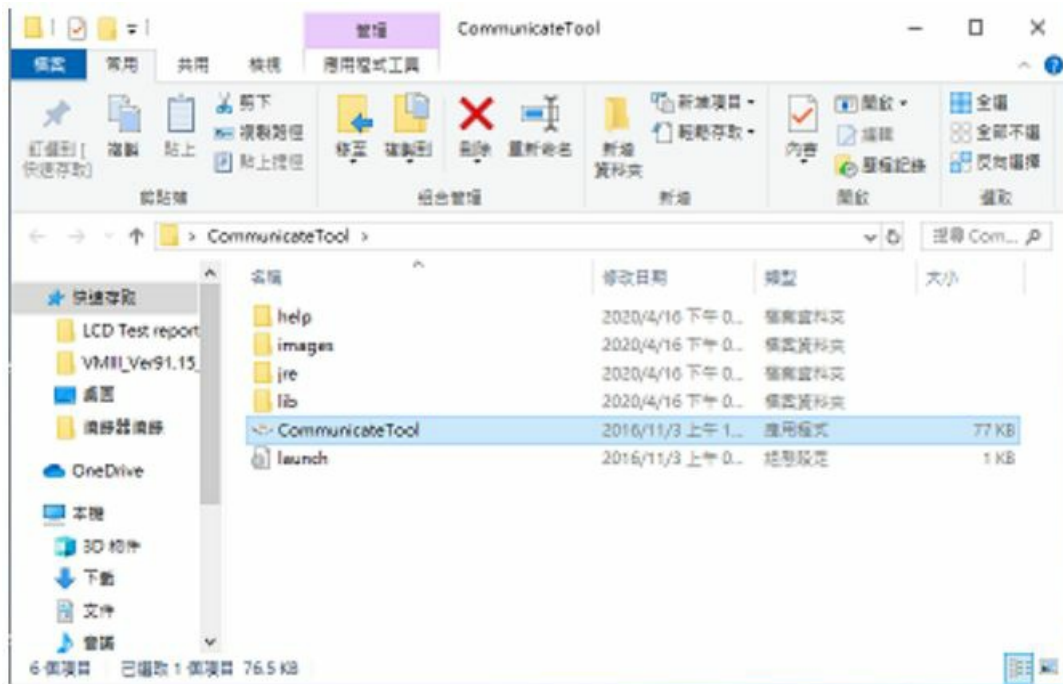
1. Connect the power supply (55.5V/5A) to Inverter's battery positive and negative connectors.



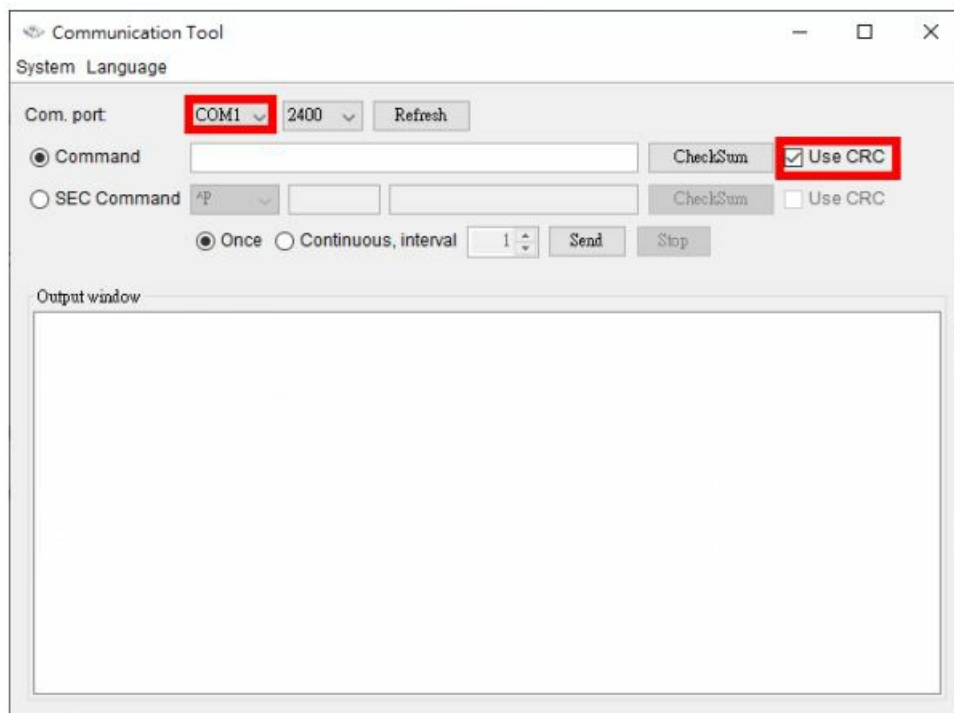
2. Turn on the Inverter which will working in battery mode.



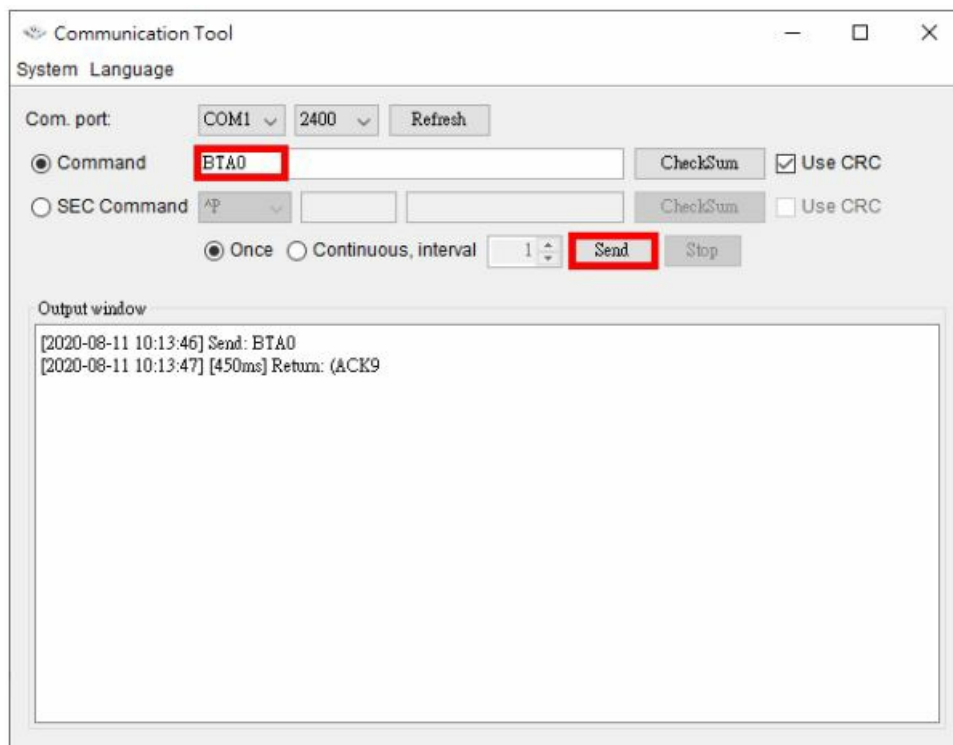
3. Double click "CommunicateTool" to start communication tool.



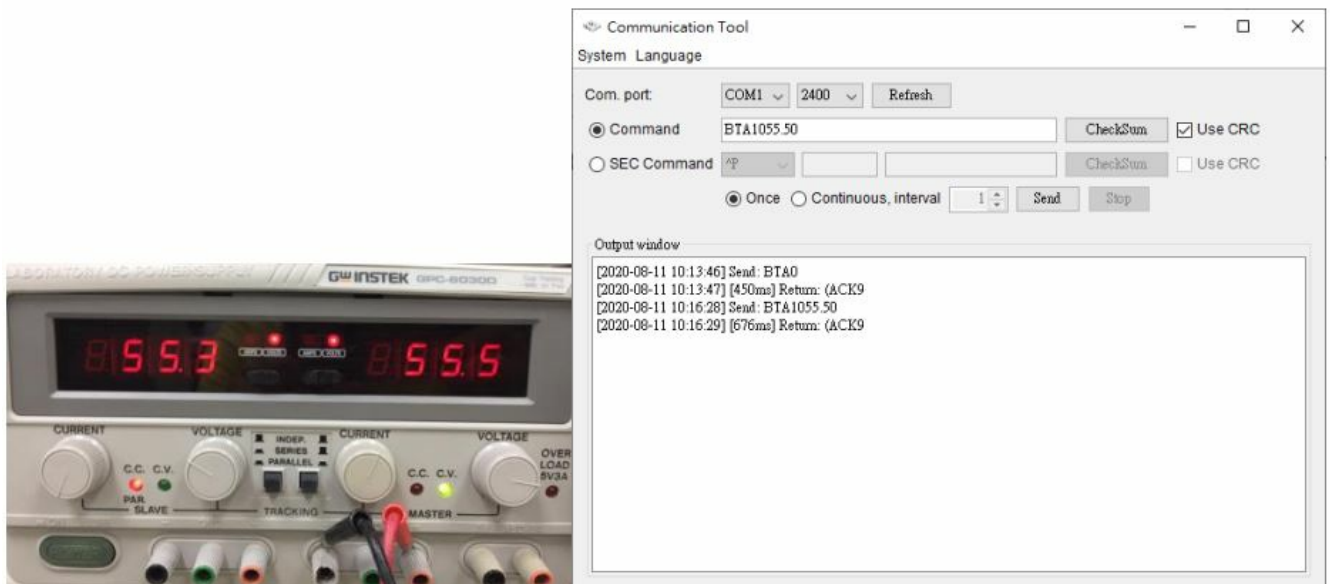
4. Connect RS232 to USB cable. The window appears COM port and click "use CRC" as below



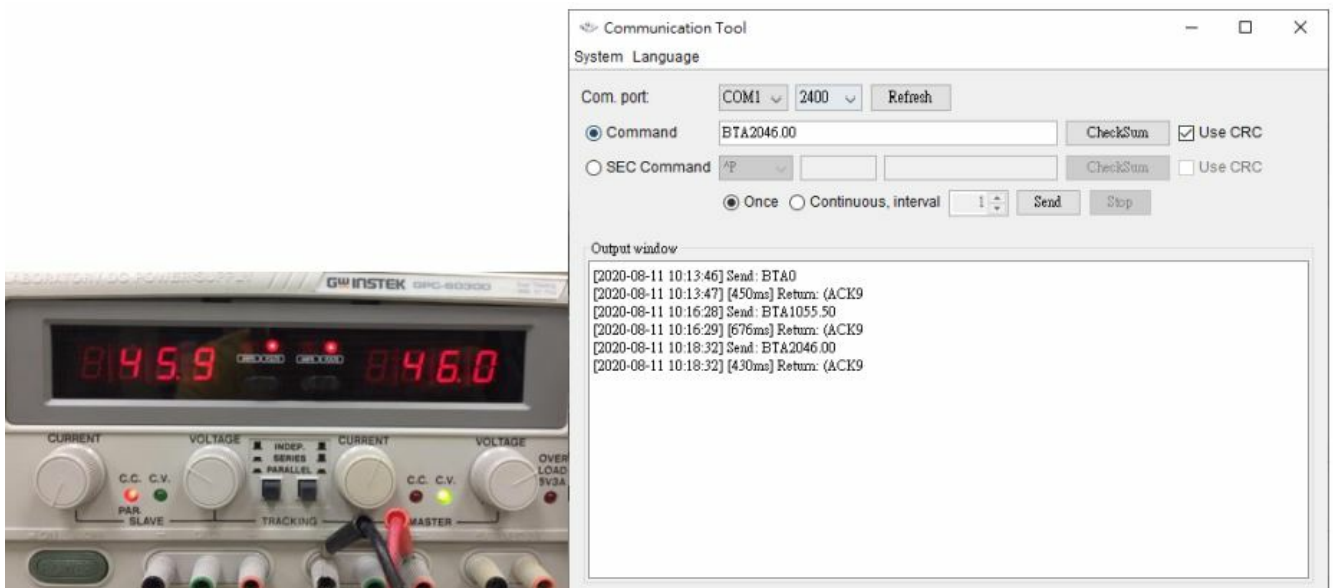
5. Send command "BTA0", the Inverter returns (ACK).



6. Adjust the power supply to 55.5V and send command “BTA1055.50”, the Inverter returns (ACK).

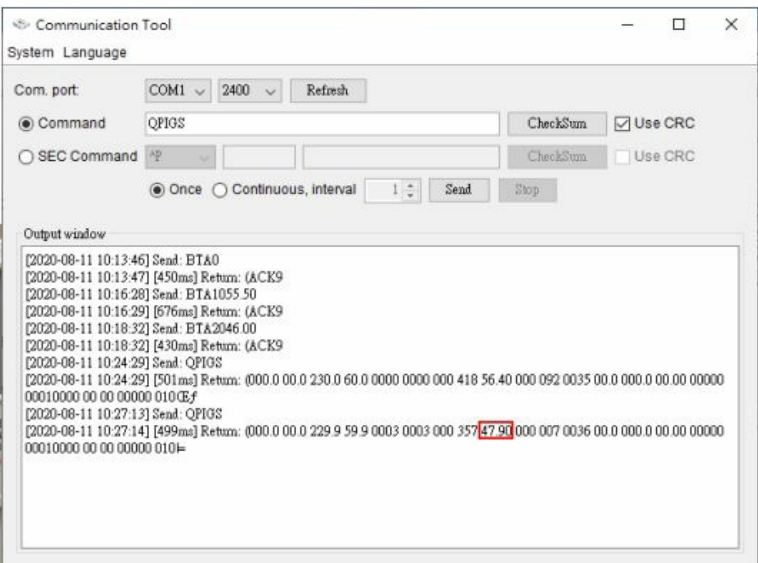
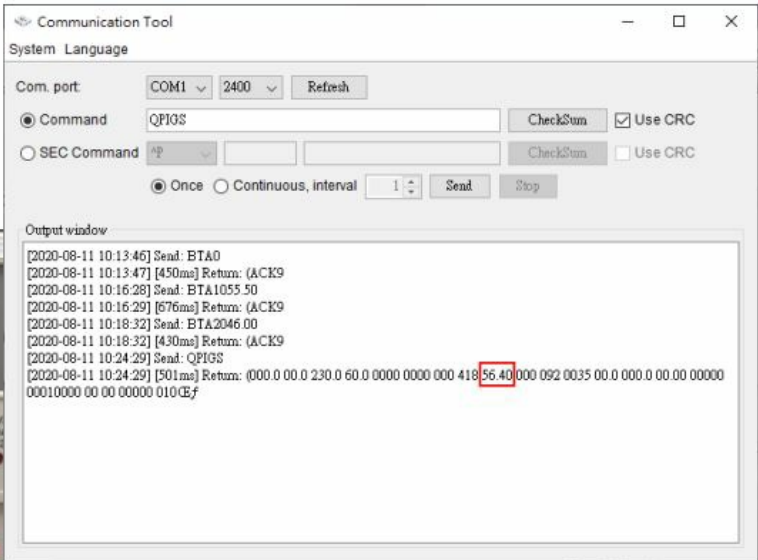


7. Adjust the power supply to 46V and send command “BTA2046.00”, the Inverter returns (ACK).




8. Change Power supply's voltage. Send command “QPIGS”, compare the return's value and actual battery's

voltage are equal.



Documents / Resources

	<p>EG4 ELECTRONICS LV6548 Battery Voltage Calibration SOP [pdf] User Guide LV6548 Battery Voltage Calibration SOP, LV6548, Battery Voltage Calibration SOP, Voltage Calibration SOP, Calibration SOP, SOP</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)