



OEL Software Help

catalogs

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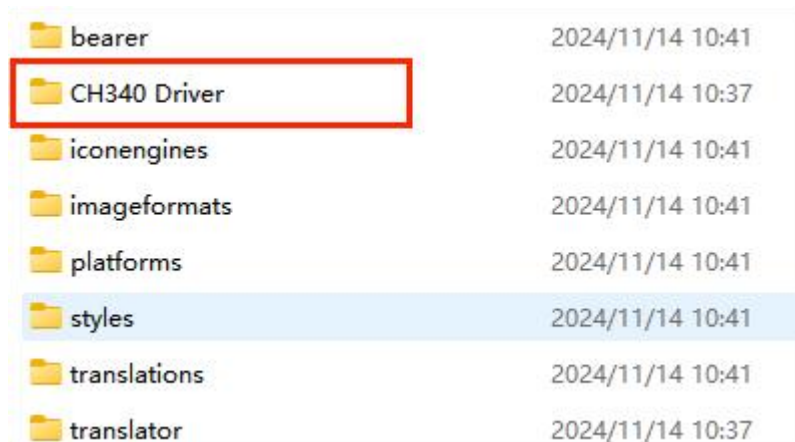
1. Connection method

The connection between the OEL series host computer software and the OEL series machine can support connection via serial port.

1.1 Communication method using serial port connection

1.1.1 Installation of drivers

1. Please get the upper computer software zip package "OWON-OEL-series-software" in the attached CD-ROM.
2. Directly unzip the file, select the "CH340 Driver" subdirectory under the directory generated by unzipping and open it, as shown below:



3. Double-click or right mouse button to decompress the CH341SER.zip archive, run SETUP.EXE inside to install the CH340 driver directly, as shown below:



4. Click Install, wait a moment to install the completion, click "OK", the following chart:



5. Return to the computer, click Device Manager, check the COM port number and driver, as shown below:

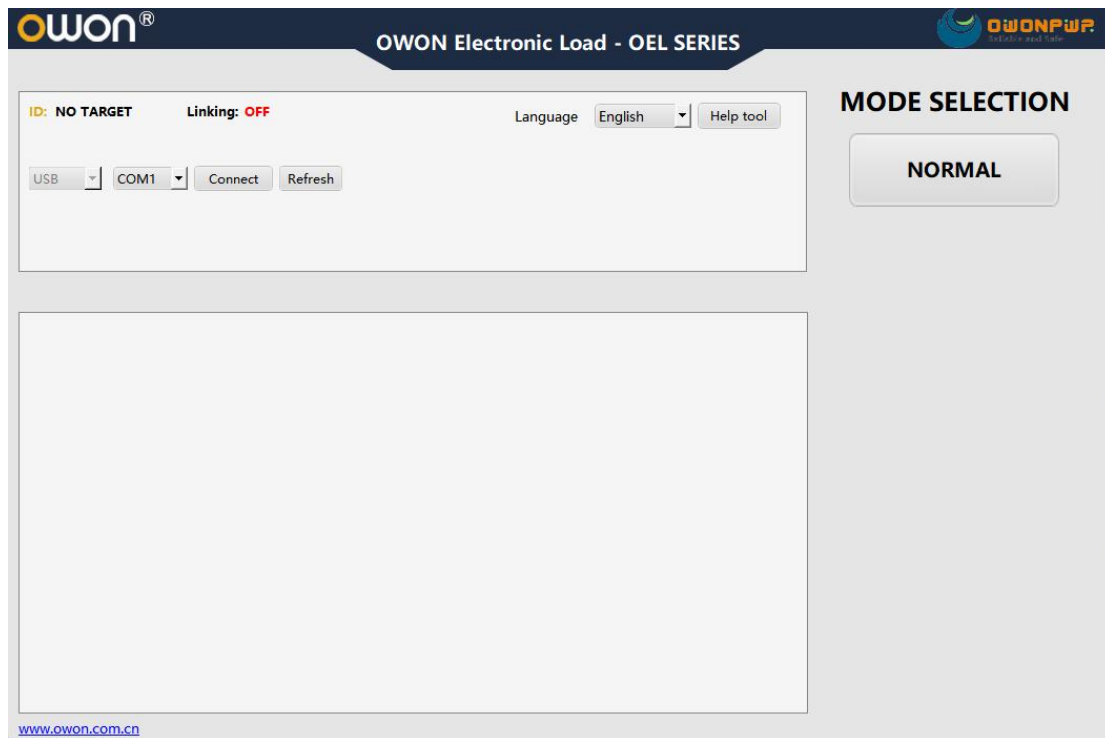


1.1.2 Connecting equipment

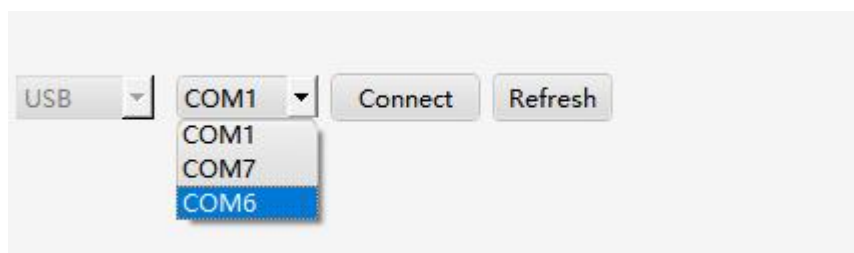
1. Double-click the right mouse button to open the "OWON-POWER-OEL.exe" file, as shown below:

| | | | |
|-------------------------------------------------------------------------------------------------------|------------------|--------|----------|
|  OWON-OEL-series.exe | 2024/11/16 11:50 | 应用程序 | 6,824 KB |
|  Qt5Charts.dll | 2020/11/6 18:01 | 应用程序扩展 | 2,467 KB |

2. Enter the main interface of the software interface, as shown below.



3. Click the drop-down box to select "USB".



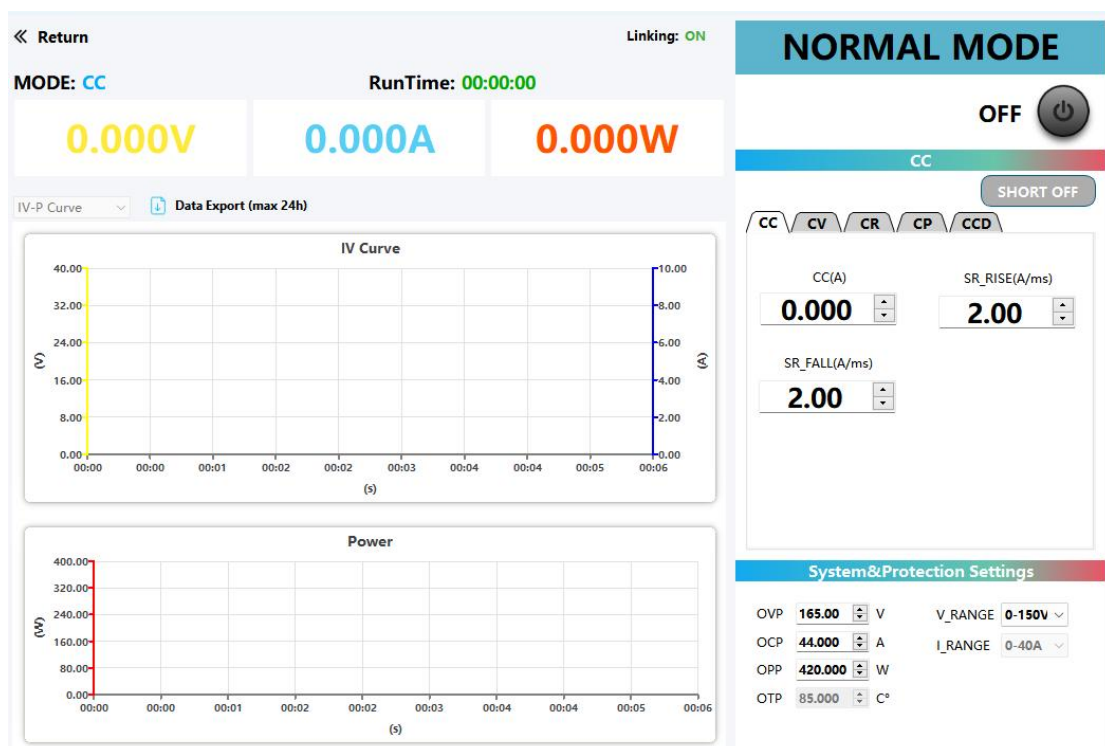
4. Click the "Connect" button to connect the device, the ID of the instrument and the connection status will be displayed after successful connection.



2.OEL instrument control mode interface operation description

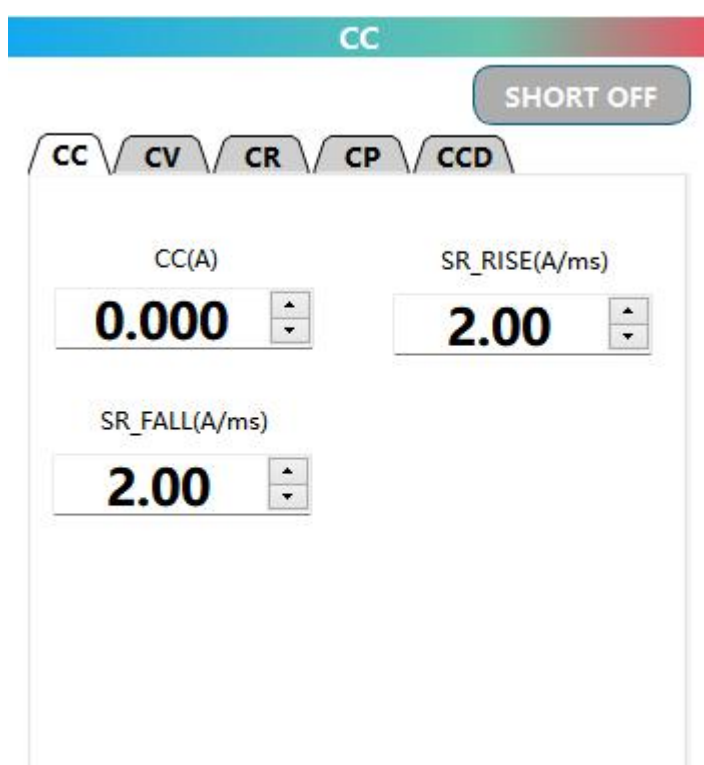
2.1 CC/CV/CR/CP/Dynamic mode

After connecting the instrument successfully, enter the mode setting to operate the instrument remotely. When entering the interface, the software will synchronize the relevant mode settings of the current instrument.



2.1.1 CC/CV/CR/CP/Dynamic interface operating instructions

1. By clicking on different mode tabs, you can enter different modes, for example, CC mode, at this time, you can set the parameters of CC mode, and click on "Update Settings" to send all the parameters of CC at the same time. To modify a single setting parameter, such as "constant current", enter the value and press "Enter" on the keyboard.



2. Through the setting box of modifying other parameters, you can modify the settings of the lower computer instrument, and click "Update Settings" to send other setting parameters at the same time. To modify a single setting parameter such as "OVP", enter the value and press "Enter" on the keyboard.

System&Protection Settings

→
Update

OVP 100.00 V

OCP 44.000 A

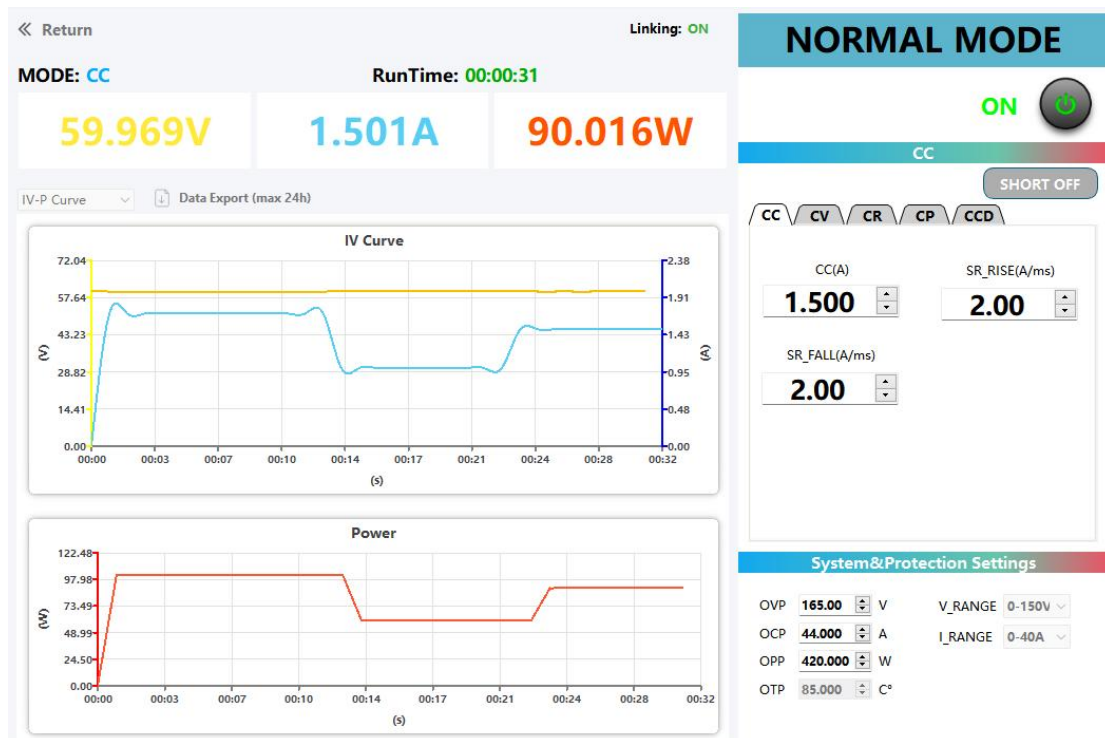
OPP 440.000 W

OTP 85.000 C°

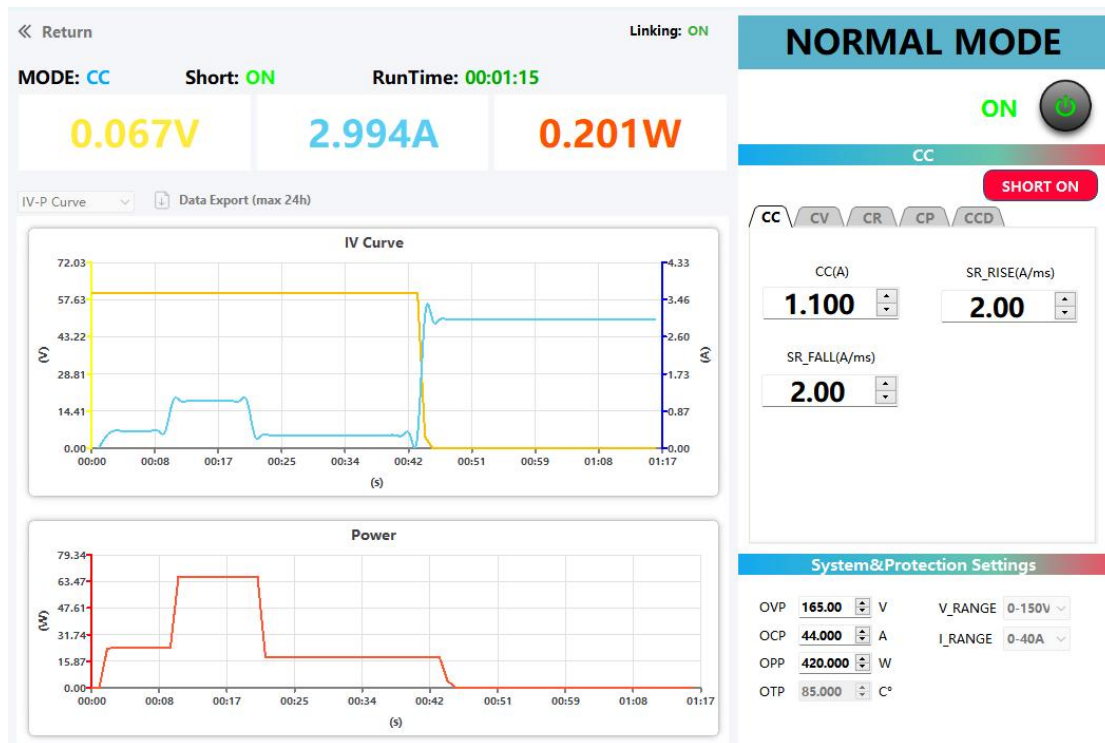
V_RANGE 0-150V

I_RANGE 0-40A

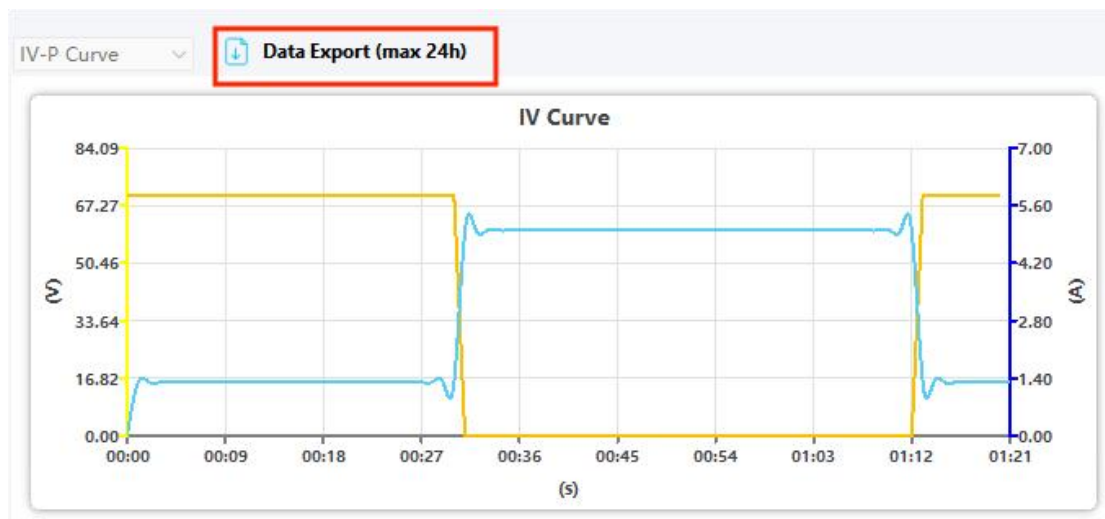
3. Click the "OFF" button to turn on the instrument after the modification is completed, and the instrument will be turned on. During the power-on period, you can adjust the setting parameters of the current mode and make real-time modifications to the instrument.



4. Turn on the "short-circuit enable" button to turn on the instrument in short-circuit mode.



5. After closing the output, you can click the "Export Data" button to export the voltage/current/power data to a CSV file, which can be opened by Excel or text.



| Out Data | | | |
|----------|---------|---------|----------|
| Time(s) | Volt(V) | Curr(A) | Power(W) |
| 0 | 70.077 | 0 | 0 |
| 1 | 70.023 | 1.303 | 91.234 |
| 2 | 70.022 | 1.303 | 91.221 |
| 3 | 70.022 | 1.303 | 91.233 |
| 4 | 70.023 | 1.303 | 91.245 |
| 5 | 70.023 | 1.303 | 91.235 |
| 6 | 70.022 | 1.303 | 91.239 |
| 7 | 70.022 | 1.303 | 91.22 |
| 8 | 70.023 | 1.303 | 91.22 |
| 9 | 70.022 | 1.303 | 91.224 |
| 10 | 70.023 | 1.303 | 91.229 |
| 11 | 70.022 | 1.303 | 91.238 |
| 12 | 70.022 | 1.303 | 91.259 |
| 13 | 70.021 | 1.303 | 91.239 |