

Guidelines for Using Commonly Used Tools

Standard Operating Procedures-DSP Emulator-(ESS)

ATESS ENERCOLLEGE

Technical Support Document



ATESS EnerCollege 🔍



enercollege@atesspower.com



www.atesspower.com

DSP Emulator

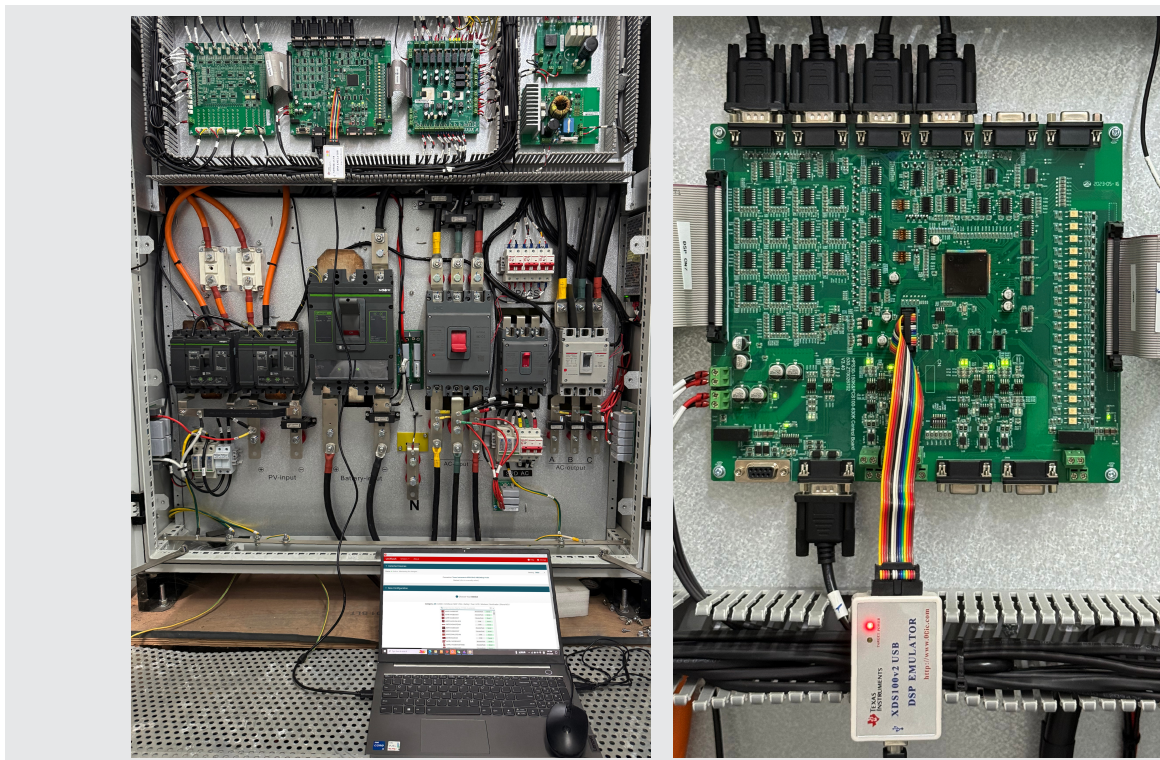
An emulator is an important tool for updating DSP chips, and emulators produced by different manufacturers may be different. The image is our commonly used emulator. The appearance of different models of emulators may be different, but their functions are basically the same.



As shown in the figure, connect the computer and DSP through an emulator. It should be noted that during the update, the DSP board needs to be powered on, which means keeping the inverter's battery breaker on and other circuit breakers off. At the same time. The inverter needs to be in a fault state.

Note: uniflash is only compatible with 100V2 emulators

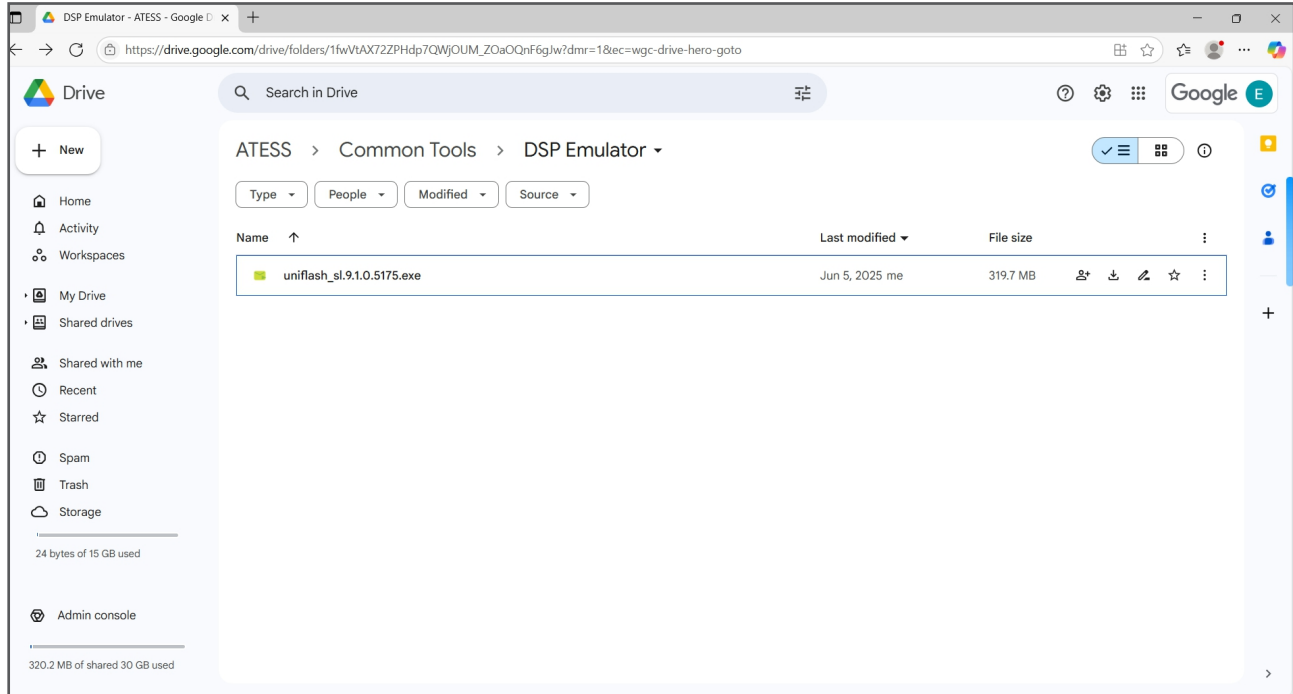
Attention: Do not update the inverter in any other operating mode.



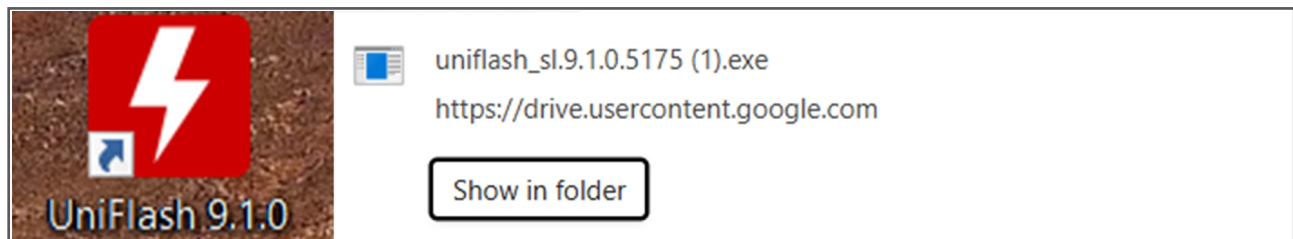
We can directly download the latest version of Uniflash from the official website, which is the software program for the emulator.

The download link is:

<https://drive.google.com/drive/folders/1kRgXefPNwXzA7RAgXb7v-QMCd0ghvWmb?dmr=1&ec=wgc-drive-hero-goto>

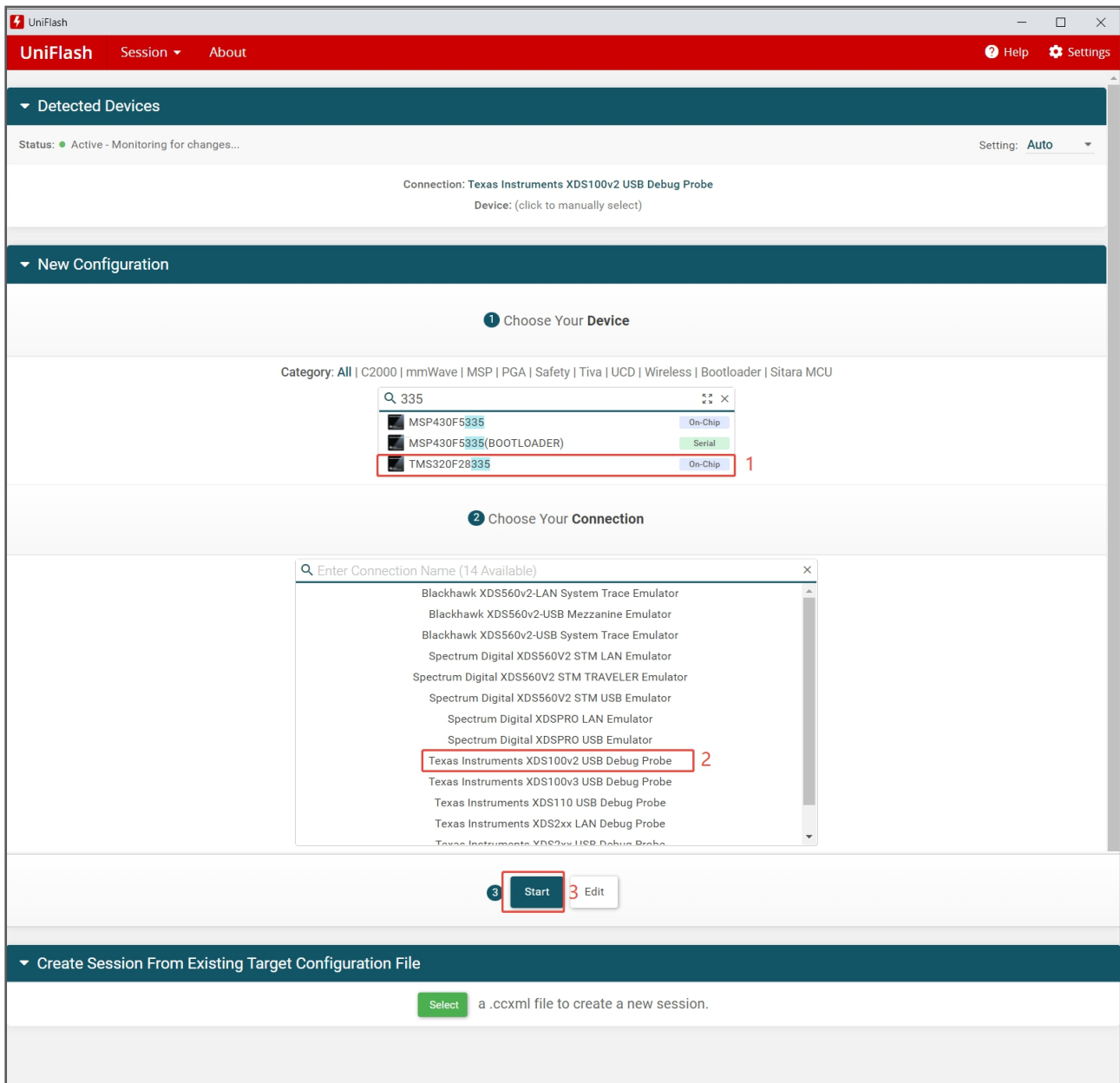


After downloading, install Uniflash directly onto the computer. After installation is completed, a red icon will be displayed as shown in the picture, indicating that the surface installation has been completed and the program can be run directly



Run uniflash, which will automatically recognize the current connected emulator model, XDS100V2. If the recognition is not successful, you can also manually select it yourself.

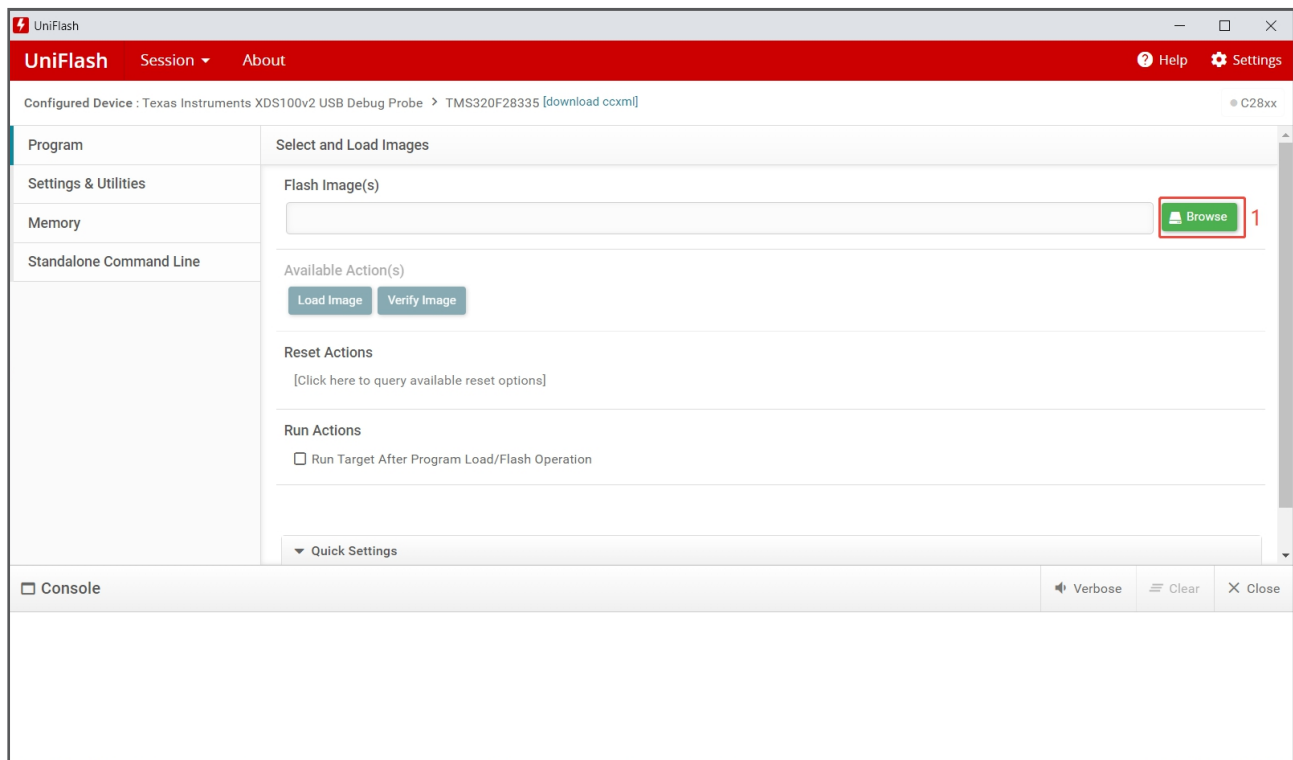
Then you need to select the chip model, which is **TMS320F28335**, and click start to proceed to the next step.



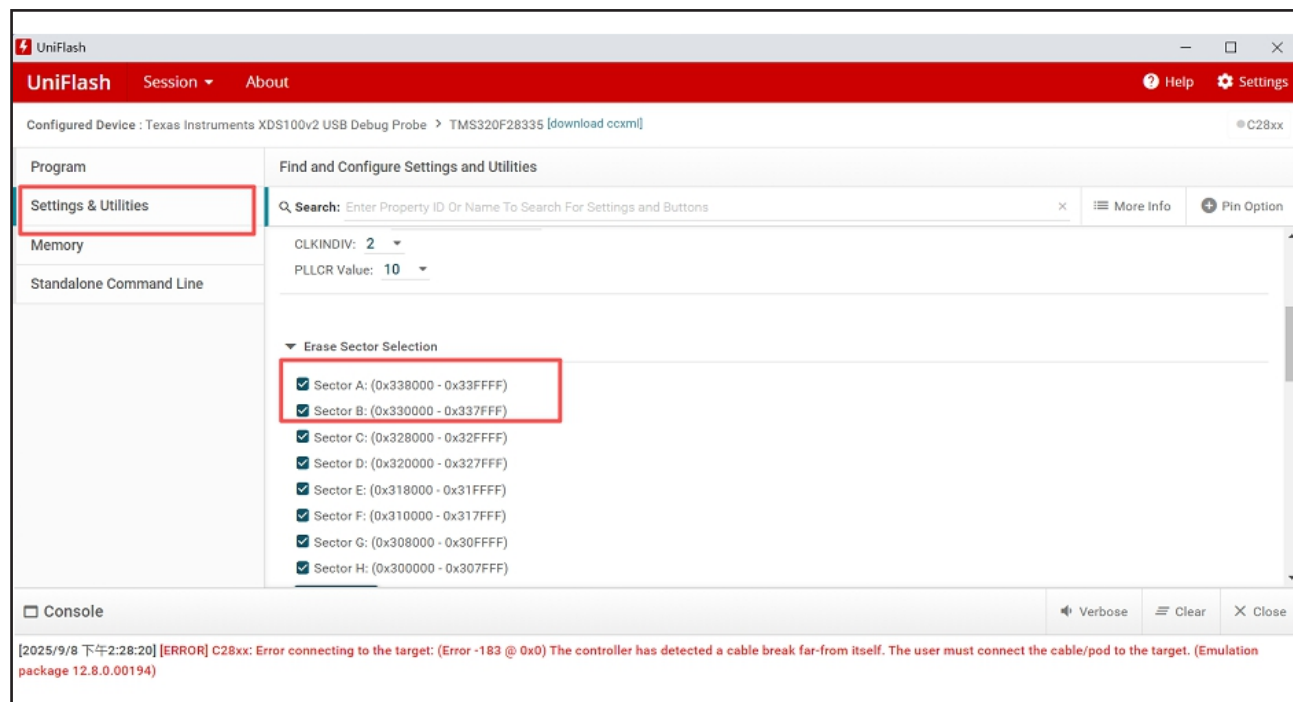
As shown in the figure, after entering the update interface, click browse and select the updated file. Note that the naming format of the updated file is XXX.out

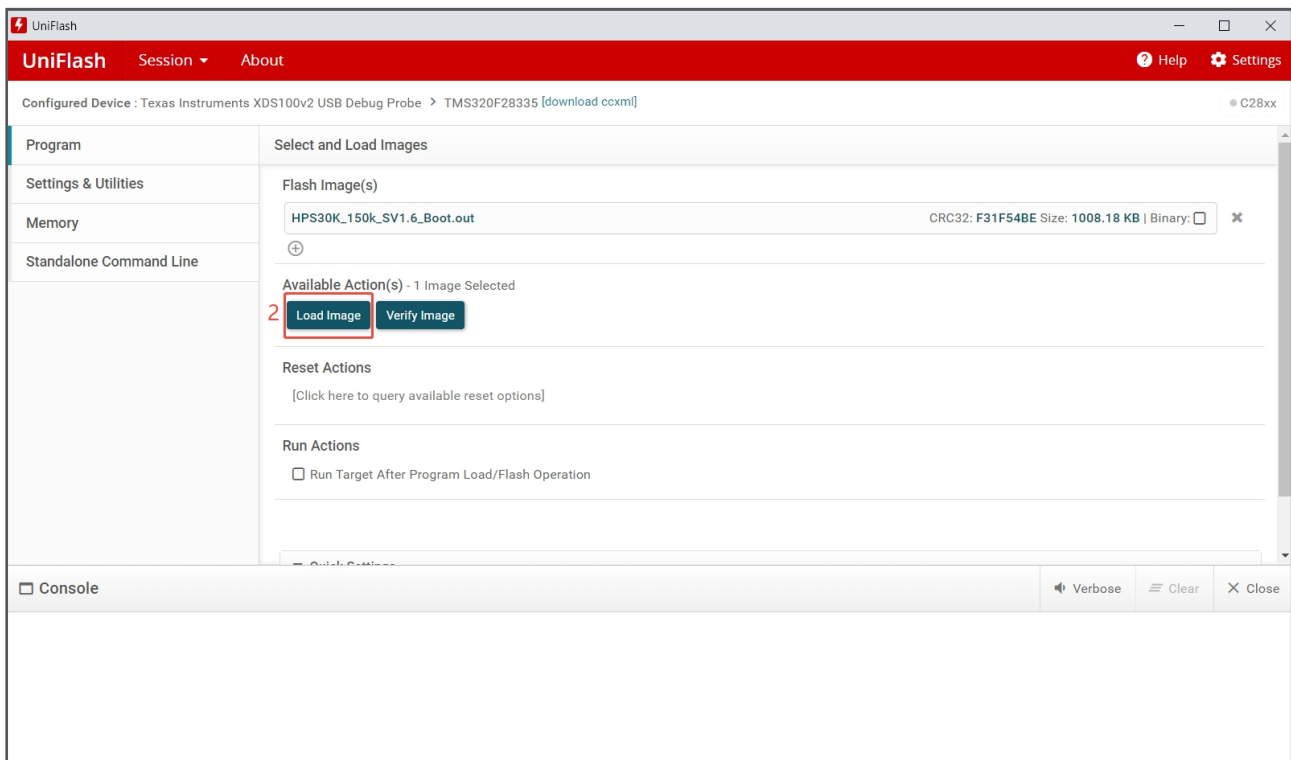
Then click on load Image, it will automatically update.

After the update is completed, wait for 10 seconds, turn off power. Disconnect the emulator and proceed to the next update step.



When burning the app's out program, you need to remove A and B. When burning the boot's out program, you do not need to remove it.





When displaying [SUCCESS] Program Load completed successfully, it indicates a successful update.

