

ITECH Solar Array Simulation SAS1000M Software Installation Instruction

Notices

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CAUTION

A CAUTION sign denotes a hazard. It calls attention to an operating procedure or practice that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a CAUTION sign until the indicated conditions are fully understood and met.

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NOTE

A NOTE sign denotes important hint. It calls attention to tips or supplementary information that is essential for users to refer to.

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Chapter1Introduction

1.1 Software Introduction

SAS1000 solar array simulation software equipped with IT6500C series power supply, IT6000C/IT6000B series power supply or IT-M3600 series power supply can accurately simulate the solar array I-V curve, P-V curve. The software have a built-in EN50530 / Sandia / NB/T32004 / CGC/GF004 / CGC/GF035's SAS model that can easily program test regulations, materials, Vmp, Pmp parameters, so as to simulate I-V curve characteristic output and generate reports, and can be applied in test the static & dynamic maximum power tracking performance of photovoltaic inverters. Also provides the shadow and table mode, the user can enter the 128 ~ 4096 points array, also can store 100 I-V curves under different irradiation and temperature to test the long-term maximum power tracking performance of photovoltaic inverters under different climatic conditions.

1.2 Software Matching Relationship and Mode of Access

Software matching relationship required by SAS test software is as follows:

Item	Version	Obtained Method
Operating System	Windows7/Windows 8/Windows10	Download from the official website
NI-VISA	V16.0 or above	Download according to the original regulations, the download site is: http://search.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/ssnav:dw/q/NI%20VISA%20DOWNLOAD/
OFFICE	2007 or above	Download from the official website
SAS1000M Software	V2.1.0	Obtained from delivery U disk

Chapter2Installing Software

2.1 Installing Operating System

Install operating systems of corresponding versions based on installation requirements. For detailed installation steps, refer to corresponding operation guidance on Windows operating system installation software.

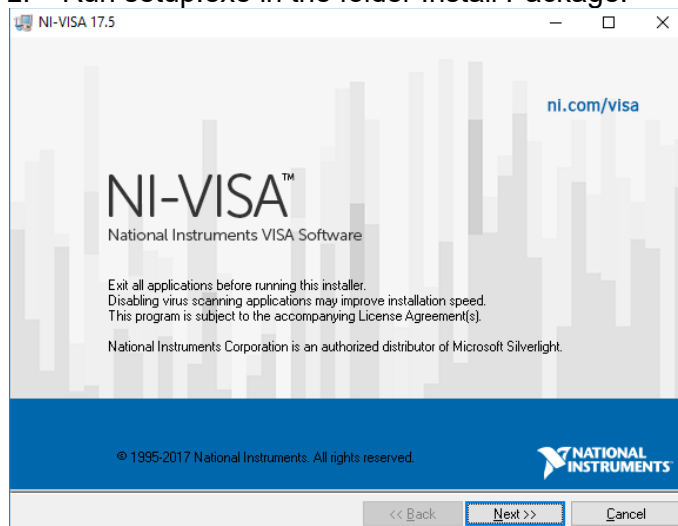
To use Export function of SAS test software, be sure to install OFFICE software.

2.2 Installing NI VISA

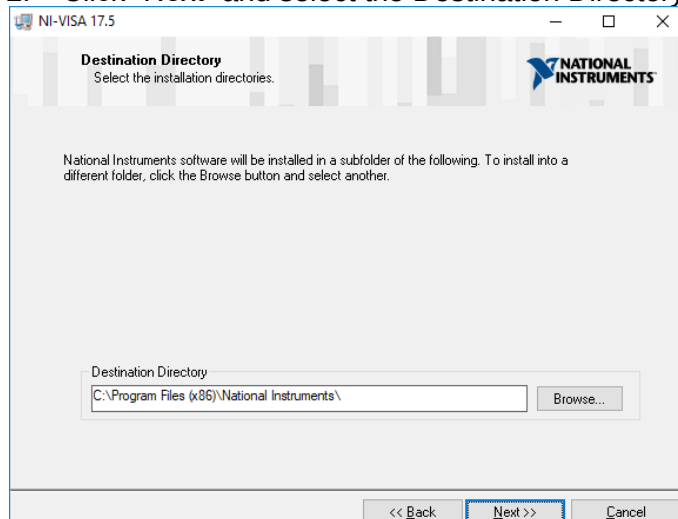
NI-VISA is a VISA I/O standard implemented by NI. It provides the programming interfaces between hardware and application development environments like NI LabVIEW, LabWindows/CVI and Measurement Studio (used for Microsoft Visual Studio).

Operation Steps

1. Run setup.exe in the folder Install Package.

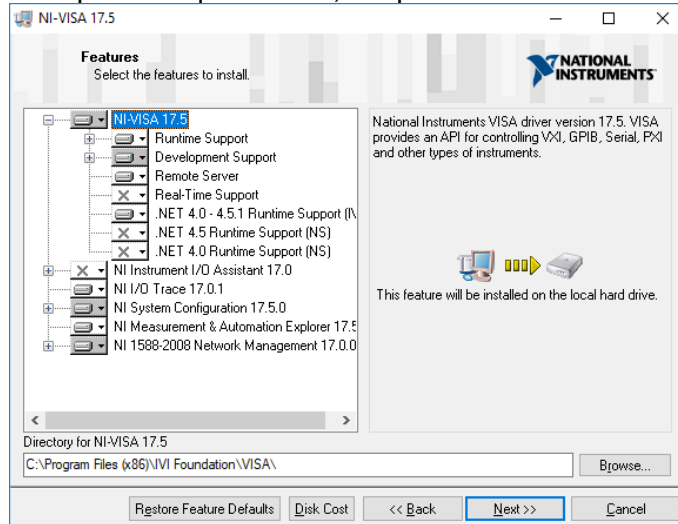


2. Click “Next” and select the Destination Directory.

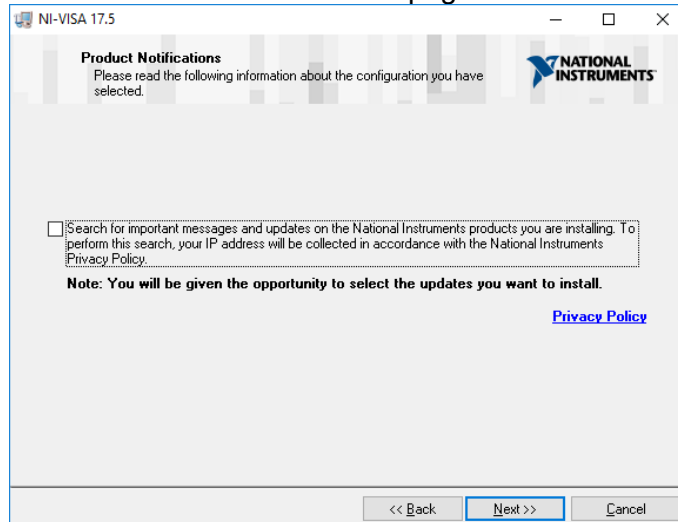


3. Click “Next” and select the components to be installed. If there are no

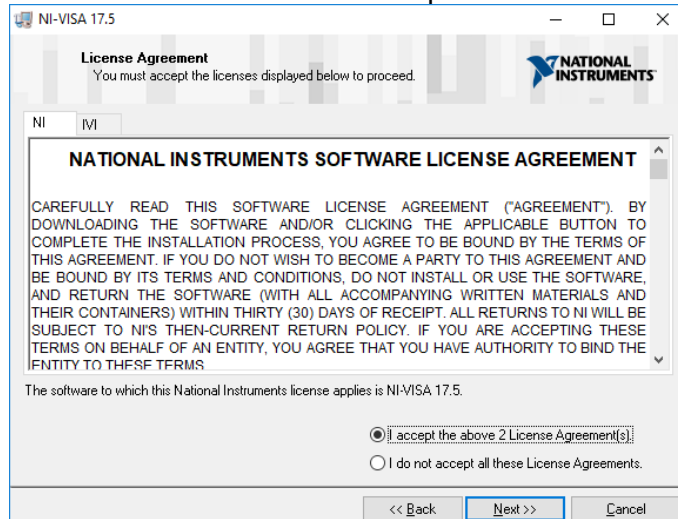
special requirements, keep as default.



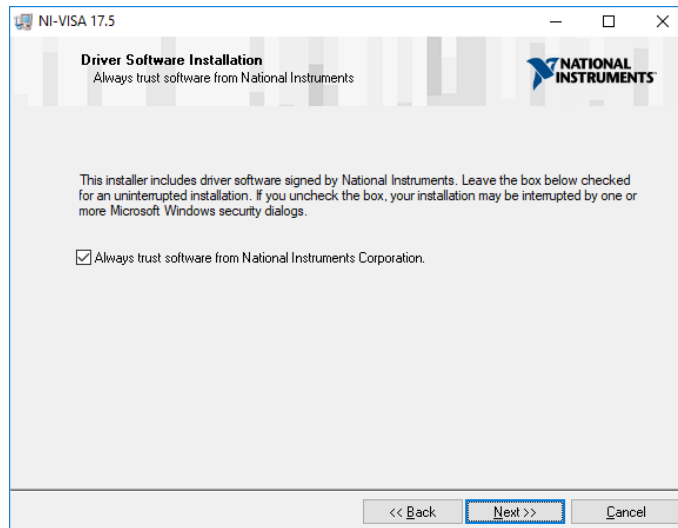
4. Click “Next” and select whether to check the check box as shown below in the “Product Notifications” page.



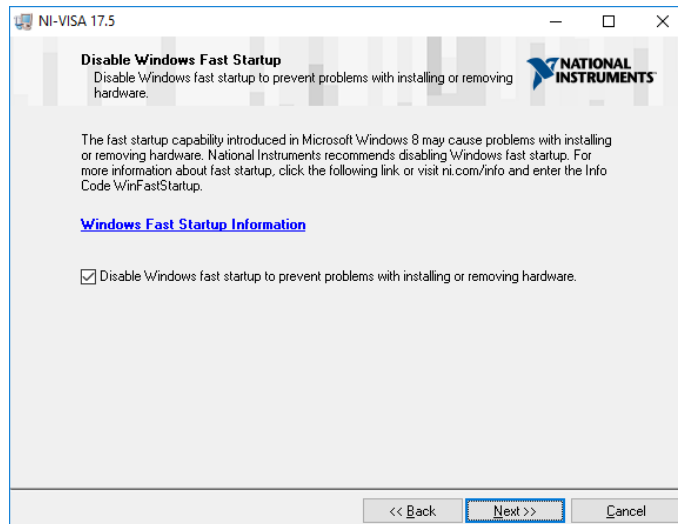
5. Click “Next”. Read and accept the terms in the License Agreement.



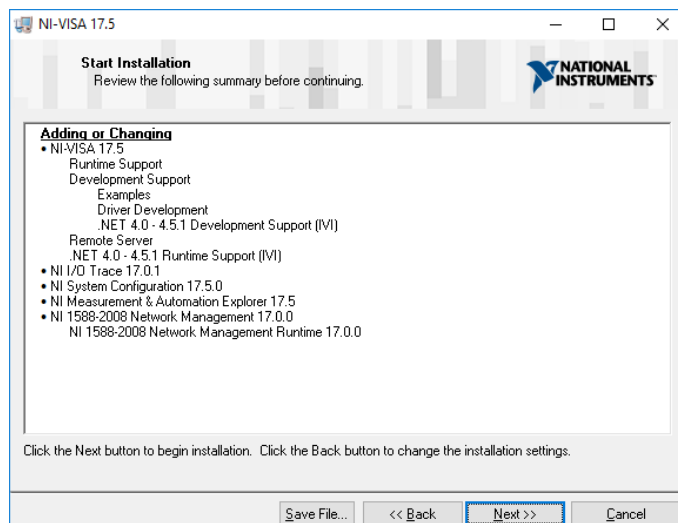
6. Click "Next".



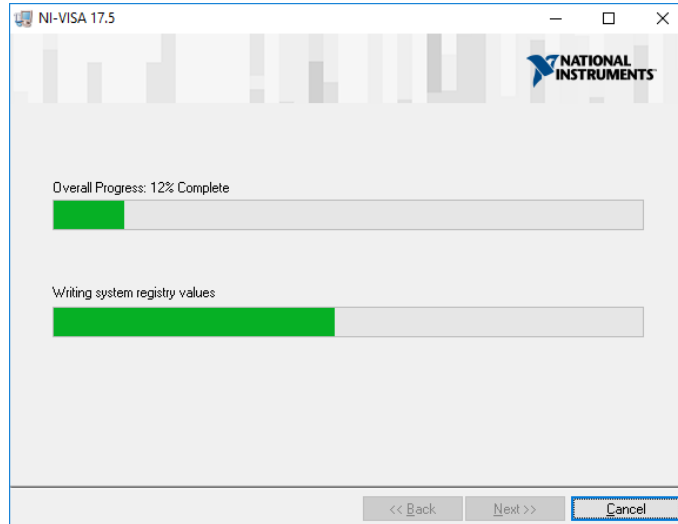
7. Click "Next".



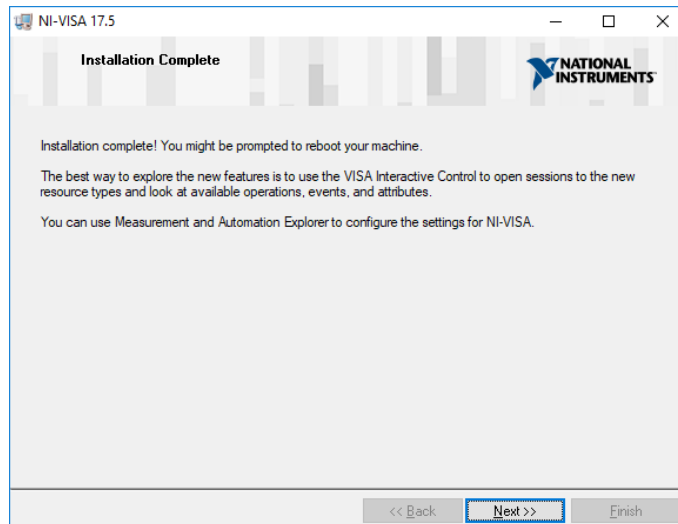
8. Click "Next".



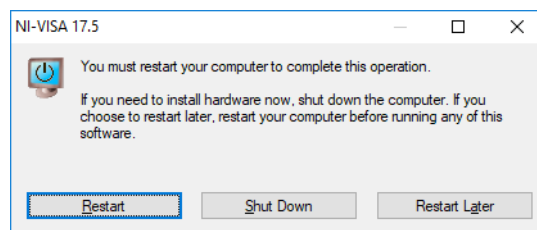
9. Click “Next” to install.



10. After the installation is complete, the following page displays.



11. Click “Next”, and the message of “Restart Computer” will pop up. Restart the computer to make driver installation effective.

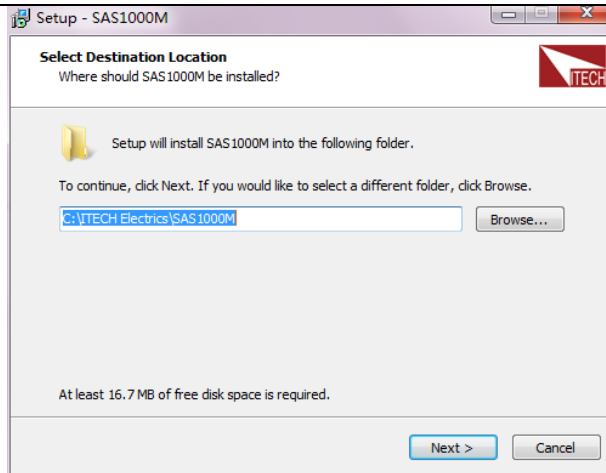


2.3 Installing SAS Software

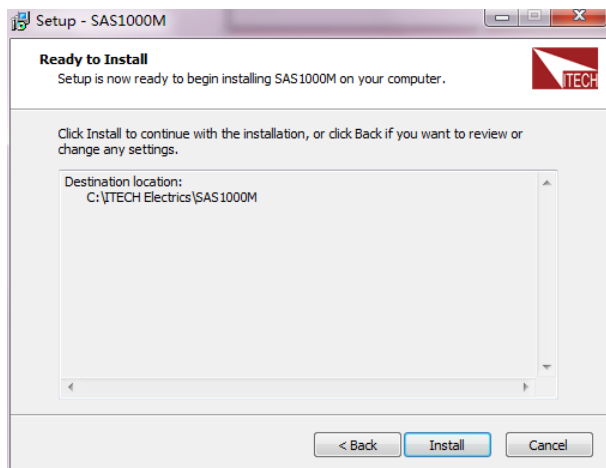
The steps below describe how to install SAS test software.

Operation Steps

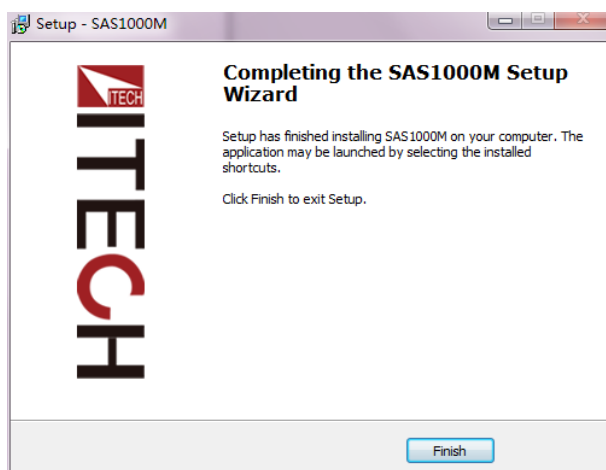
1. Double click the setup file, enter the interface shown below.



2. Click “Next”, enter the interface shown below.



3. Click “Install”, the software starts installing. After the installation process, the interface below will show.



4. Click “Finish”. The icon “SAS1000M” will show on the computer desktop.

2.4 Uninstalling SAS software

To uninstall, use the “Add or Remove Programs” in Windows Control Panel.

Contact US

Thank you for purchasing ITECH products. If you have any doubt about this product, please contact us as follows.

1. Please refer to the CD-ROM of related user's manual in package.
2. Visit ITECH website www.itechate.com.
3. Select the most convenient contact for further consultation.