

# Kinco VFD Software V2.5

## I: Software function introduction

1. Support all series of Kinco VFD online debugging, that is, CV20, CV100, FV100 and so on.
2. The internal parameters of Kinco VFD can be set in the form of English menu option in the form of English menu option, and the operation is simple and convenient.
3. The operating state of the inverter can be monitored online by computer, such as the real-time monitoring of the output frequency, current, power, voltage and other data.
4. It can be start, stop, speed control and other operations on the PC, and dynamically display the state of the VFD with chart form, at a glance.
5. All the parameters of the inverter can be imported and exported in the form of EXCEL. It is very convenient to download and read the parameters.

## II: Software components

Driver	2017/2/22 14:45	文件夹	Funcode_A0.xls	2017/2/21 9:09	Microsoft Excel ...	31 KB
Funcode	2018/1/22 16:32	文件夹	Funcode_A1.xls	2018/1/19 13:44	Microsoft Excel ...	29 KB
Help	2017/2/22 14:45	文件夹	Funcode_A2.xls	2017/2/21 9:10	Microsoft Excel ...	24 KB
Log	2017/2/22 14:45	文件夹	Funcode_A3.xls	2018/1/19 13:43	Microsoft Excel ...	31 KB
Register	2017/2/22 14:45	文件夹	Funcode_A4.xls	2018/1/19 13:47	Microsoft Excel ...	30 KB
Release	2017/2/22 14:45	文件夹	Funcode_A5.xls	2017/2/20 17:59	Microsoft Excel ...	28 KB
res	2017/2/22 14:45	文件夹	Funcode_A6.xls	2018/1/19 14:45	Microsoft Excel ...	40 KB
Sys	2017/2/22 14:45	文件夹	Funcode_A7.xls	2017/2/21 9:11	Microsoft Excel ...	23 KB
User	2017/2/22 14:45	文件夹	Funcode_A8.xls	2017/2/21 9:12	Microsoft Excel ...	23 KB
KincoInverter.exe	2018/1/18 14:38	应用程序	Funcode_b0.xls	2018/1/19 15:33	Microsoft Excel ...	32 KB
			Funcode_b1.xls	2017/2/21 9:13	Microsoft Excel ...	30 KB
			Funcode_b2.xls	2017/2/21 9:13	Microsoft Excel ...	31 KB
			Funcode_b3.xls	2017/2/21 9:14	Microsoft Excel ...	33 KB
			Funcode_b4.xls	2018/1/19 16:36	Microsoft Excel ...	32 KB
			Funcode_C0.xls	2017/2/20 17:59	Microsoft Excel ...	31 KB
			Funcode_C1.xls	2017/2/21 9:15	Microsoft Excel ...	37 KB
			Funcode_C2.xls	2017/2/21 13:49	Microsoft Excel ...	62 KB
			Funcode_C3.xls	2017/2/21 14:00	Microsoft Excel ...	47 KB
			Funcode_d0.xls	2018/1/19 15:49	Microsoft Excel ...	40 KB
			Funcode_d1.xls	2017/2/21 9:15	Microsoft Excel ...	36 KB
			Funcode_d2.xls	2018/1/19 15:56	Microsoft Excel ...	30 KB
			Funcode_General_All.xls	2018/1/22 16:33	Microsoft Excel ...	181 KB

Chart-1

Chart-2

Put the files in chart-1 into the same directory and click KincoInverter.exe as the

main program to run the upper computer software.

**The main program** ——— The main part of the software. Double clicking the master program can run the host computer software.

**Configuration list** ——— Configuring parameter for various models that main program supported

**Attention :**

- 1) Do not change the names of these files casually
- 2) Although the user can view and modify the configuration table, it is recommended not to modify it randomly, otherwise the program may not run normally.

### III : Software use method

#### 1、 Hardware connection

The personal computer and the VFD are connected by USB to 485 converter, as shown in chart-3.



Chart-3

#### 2、 Software interface

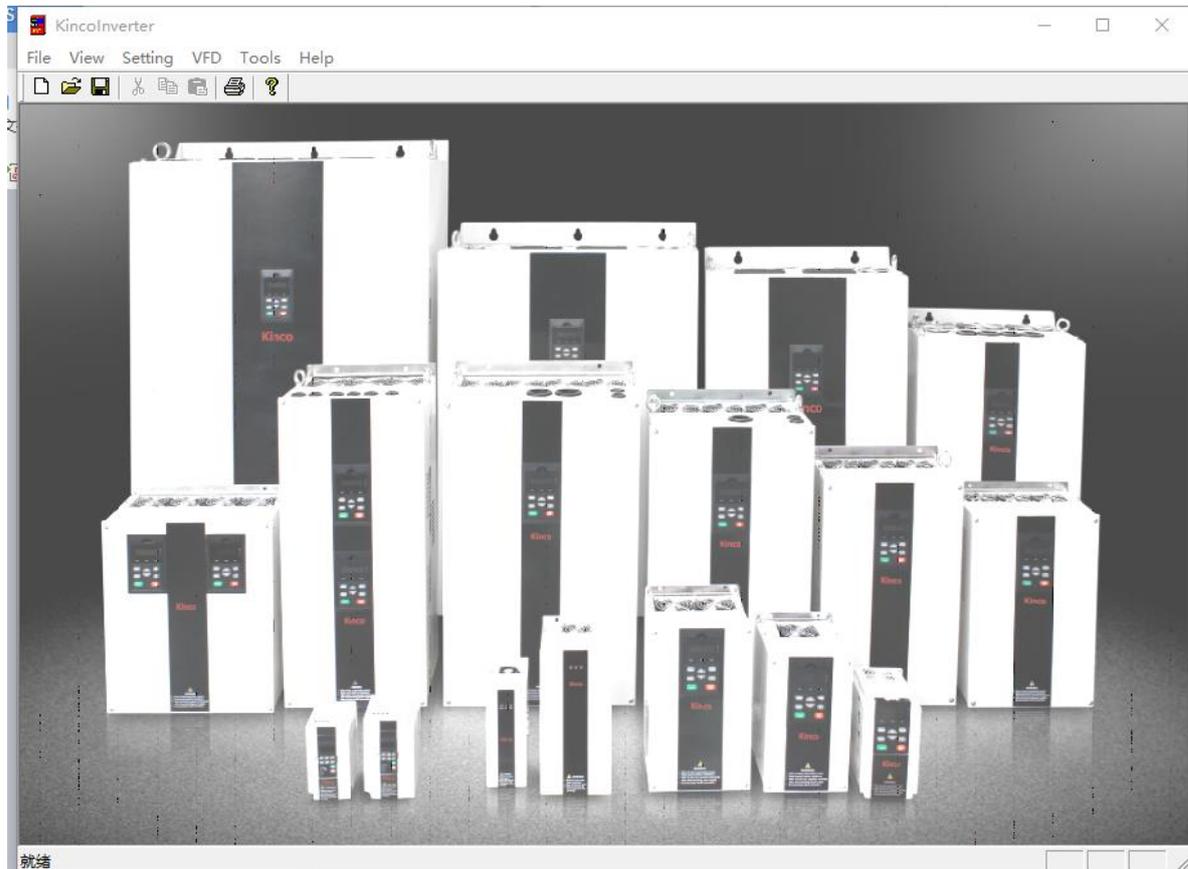


Chart-4

The software interface is like chart-4, and the meanings of each column are as follows:

**Setting** : Chinese and English language settings, port settings

**VFD** : Read, downloaded and modified each parameter of VFD

**Tools** : It includes control panel and engineering entry. The control panel can monitor the operation state of the converter dynamically. Engineering entry can be imported, exported, read, downloaded VFD parameter and so on.

### 3、 The method of software use

#### 1 ) Setting Bar



#### ① Software setting

Click **Soft Mode** , enter software setting interface.

**language** : Chinese/English

**Mode** : Online mode /Offline mode

**Online mode**: The computer connects the inverter through communication.

**Offline mode**: The computer does not connect the frequency converter.

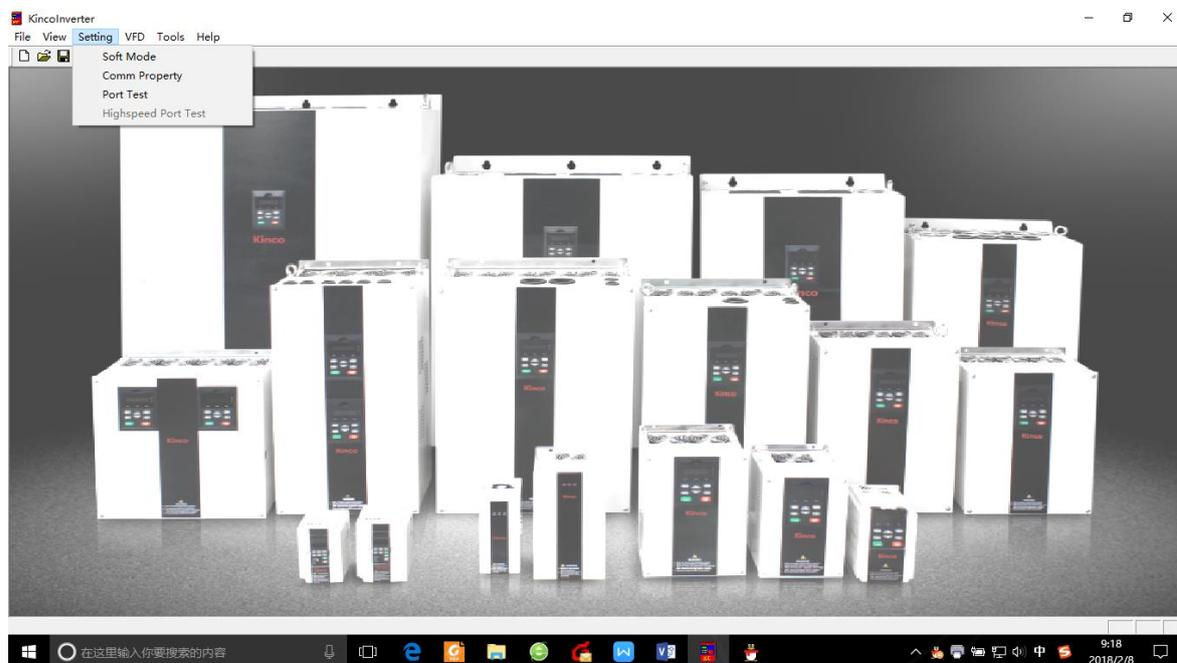


Chart-5

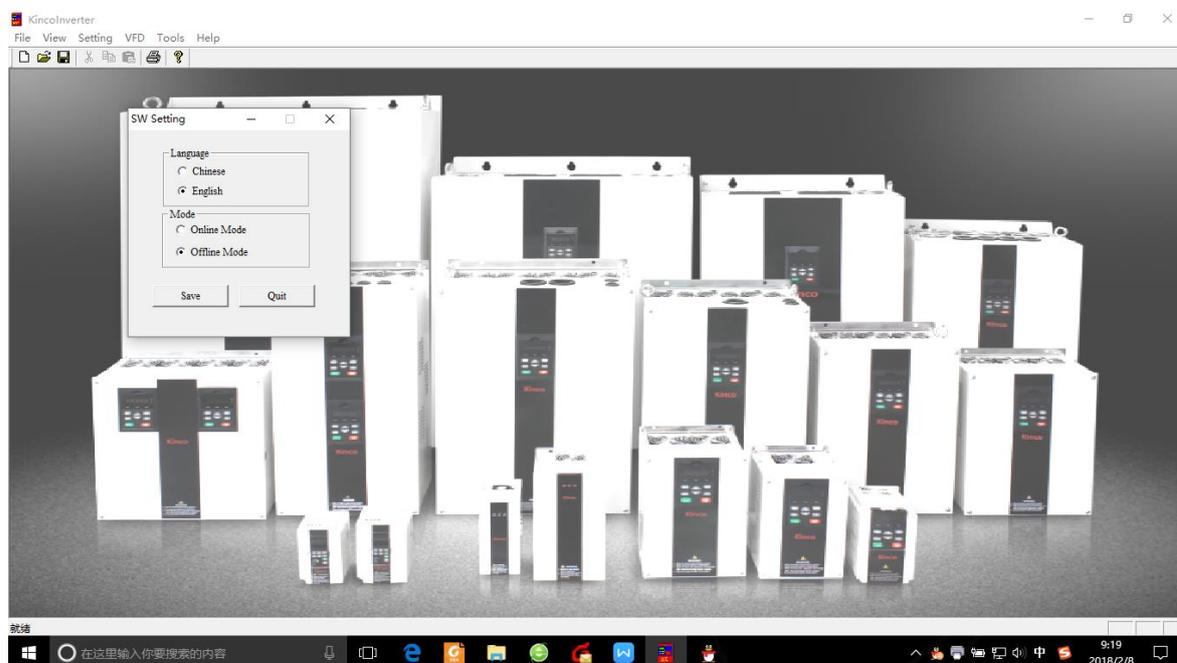


Chart-6

② **Port setting**

Click **Comm Property** , enter port setting interface .

The port properties are configured as follows:

**Slave address** : 5

**Choose port** : According to the actual to choose the COM port

**Baud rate** : 9600

**Data bit** : 8

**Odd-even** : None

**Stop bit** : 1

The communication configuration interface is shown in the chart-7.

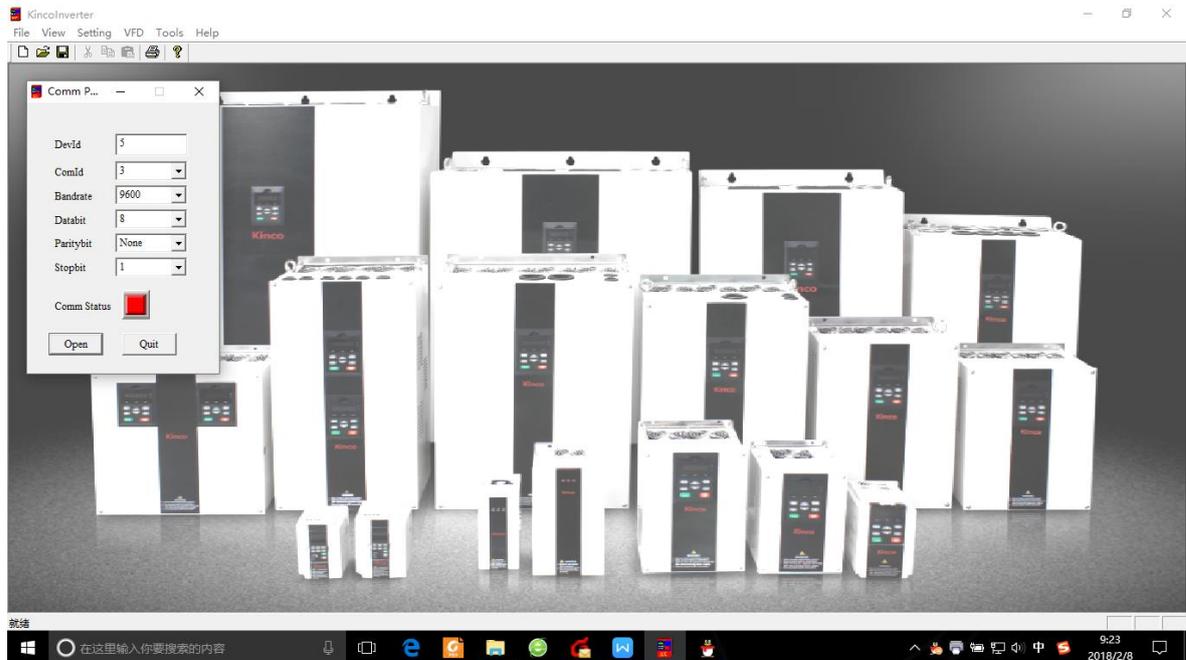


Chart-7

### ③ Communication testing

Click **Port Test** , Enter the port debug interface

If the sent data TX and received data RX is consistent, it means the communication is successful, as shown in the following figure.

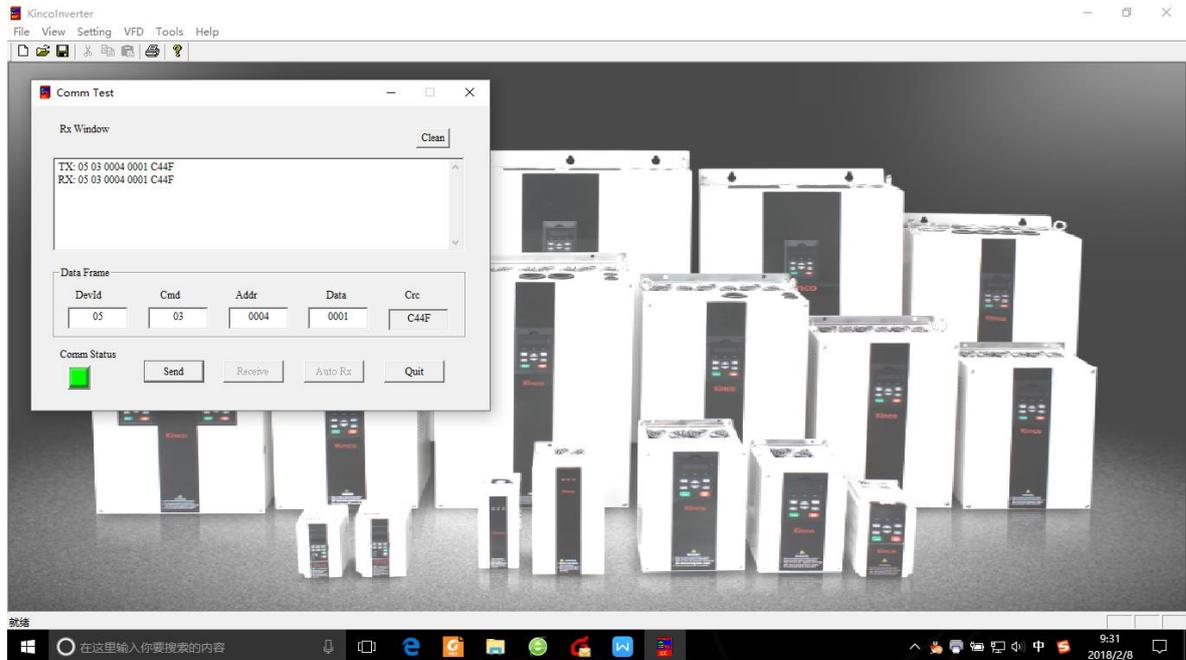


Chart-8

2 ) **VFD bar** 

Click **VFD** to see the parameters setting of each group.

**Example:** Click the VFD-A group function code-A6 group, as shown in the chart-9 and chart 10.

**Read:** Read the parameter setting of VFD

**Download:** Downloading the parameters of the computer host computer software to the inverter

**Modified:** Modifying the parameters of the upper computer software inverter

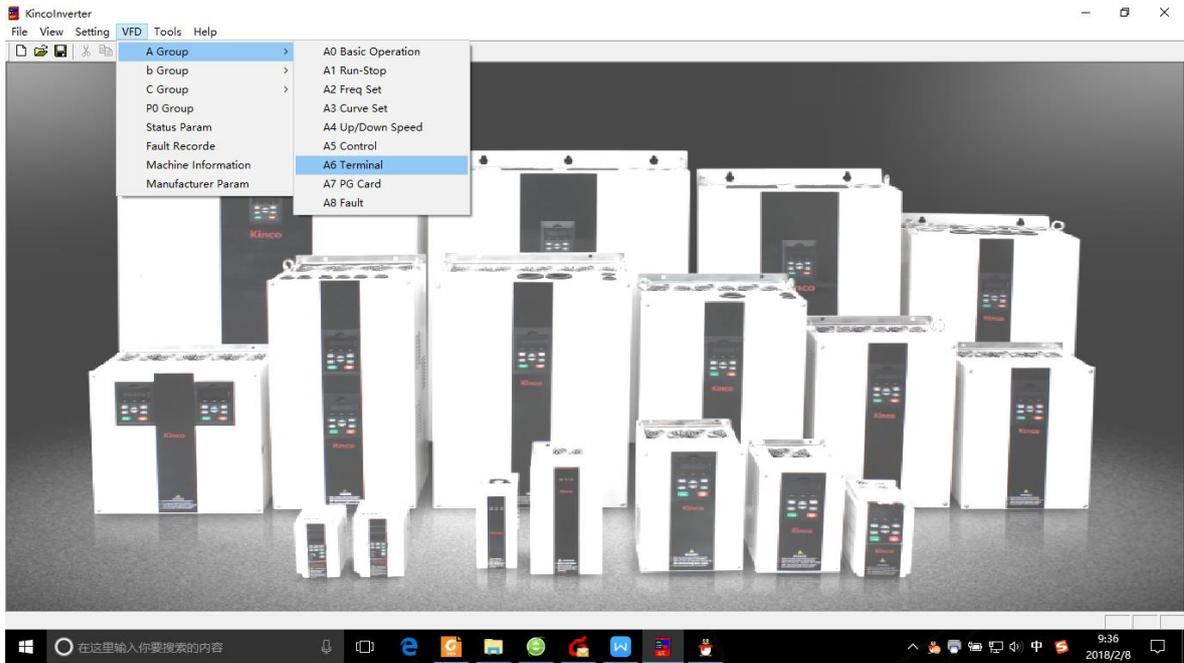


Chart-9

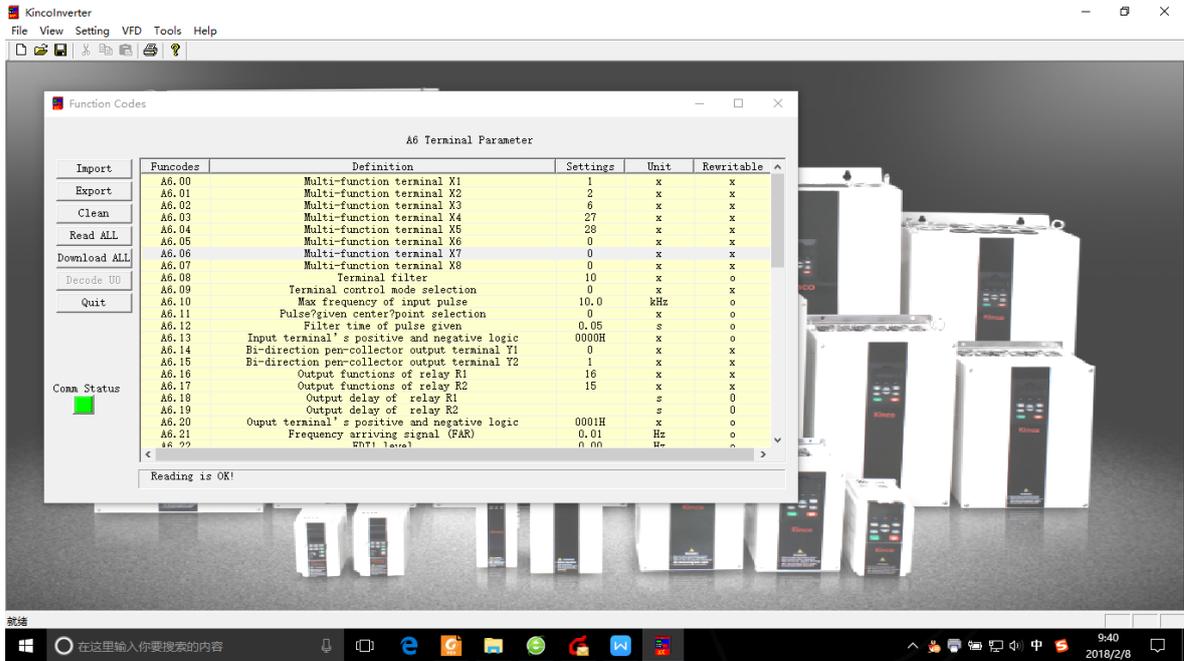


Chart-10

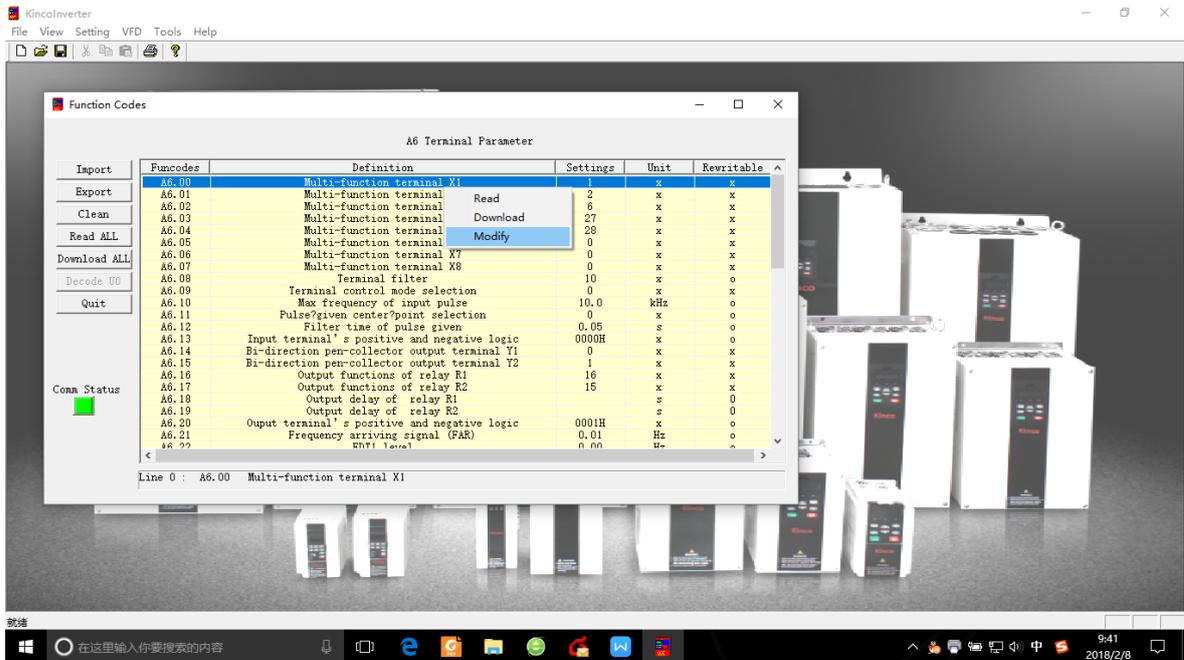


Chart-11

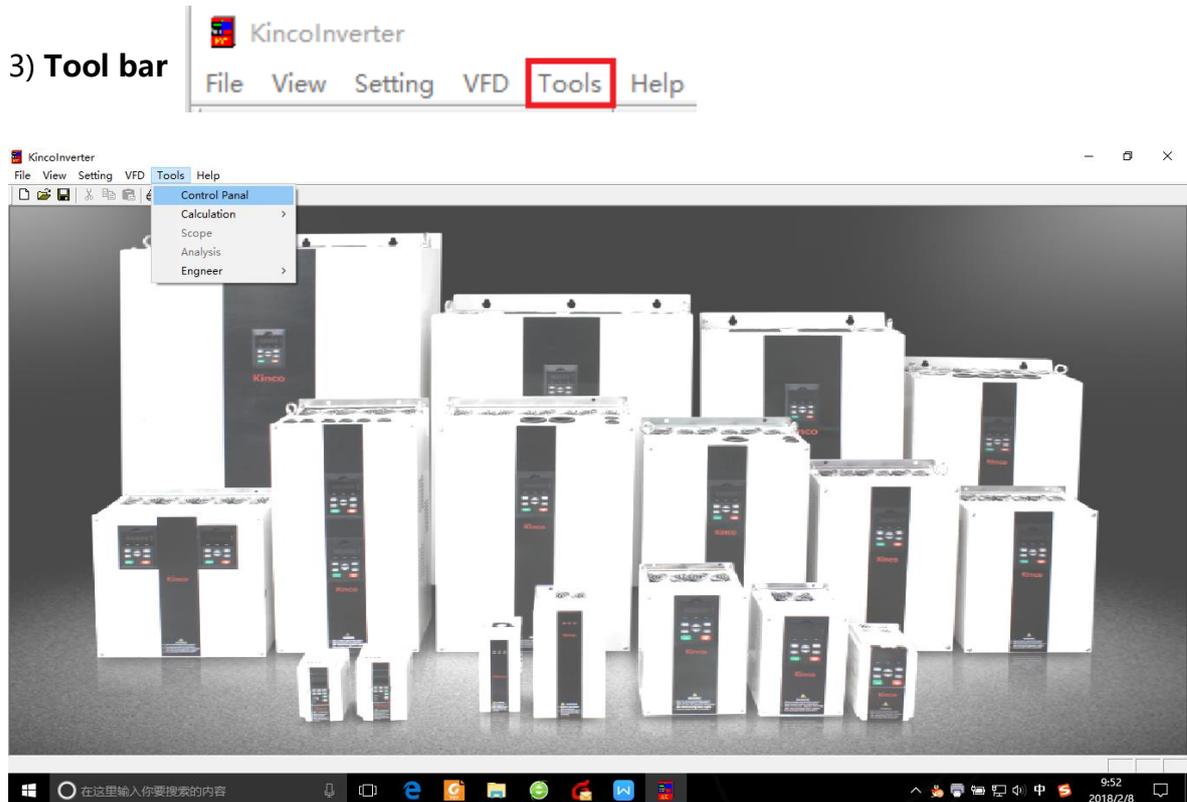


Chart-12

① Control panel

Click **control panel** and enter the control panel interface, as shown in the chart-13.

The control panel can see direct current bus voltage, operating frequency and running current in the form of chart.

The control panel can also realize the function of starting, stopping, reset and frequency setting by the software of the upper computer.

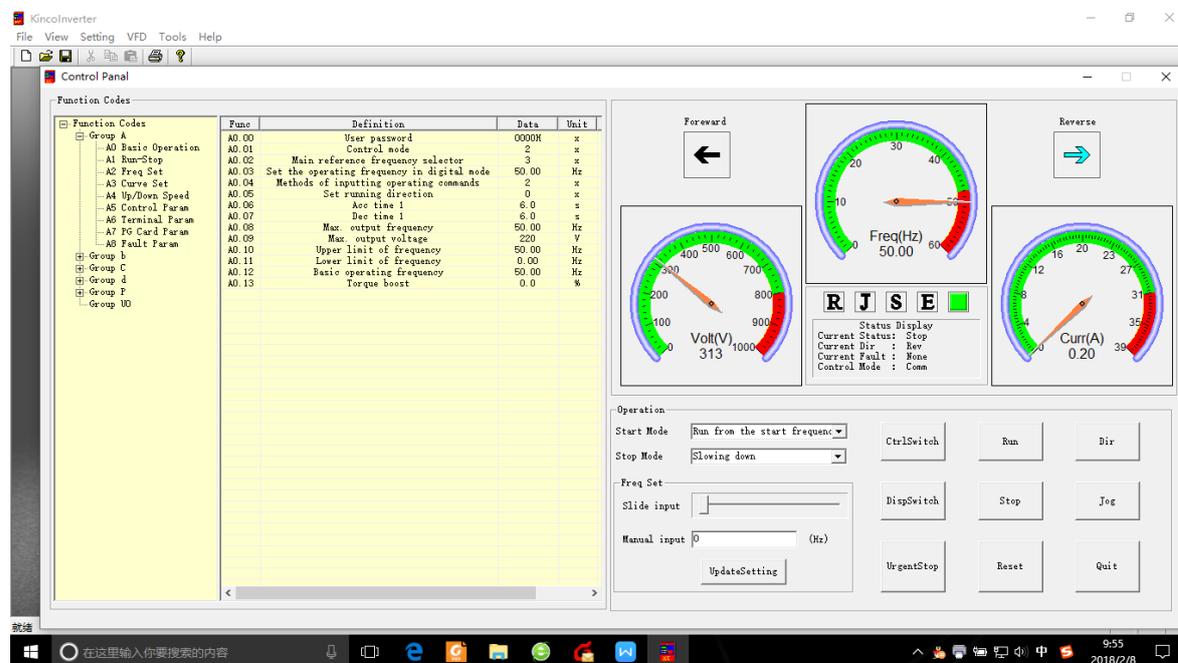


Chart-13

## ② Project entrance (functional code copy)

Click **Engineer** — **func copy** and enter the functional copy interface, as shown in the chart-14.

**Import:** Import all the parameters Excel files of the computer already configured to the host computer software

**Export:** All the parameters of the inverter in the upper computer software are exported to the computer by Excel file

**Clear:** Remove the parameters already set

**Read:** Read all the parameters in the inverter through communication to the host computer software

**Downloads:** All the parameters set up by the upper computer are downloaded through communication to the VFD

**Exit:** Exit function code copy interface

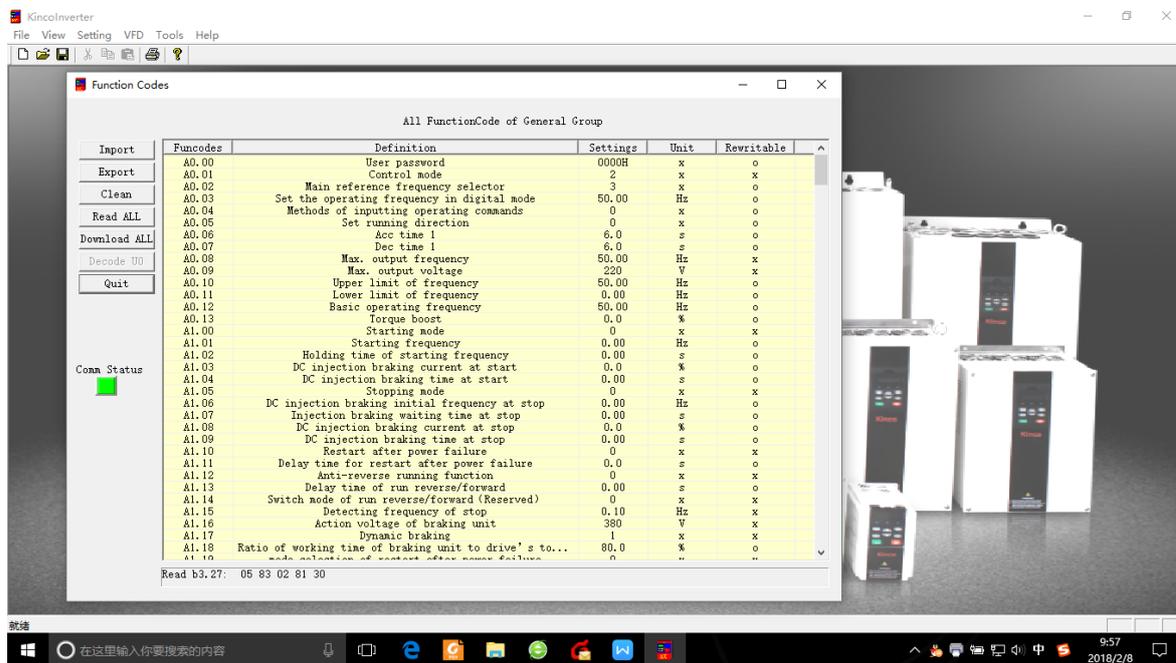


Chart-14

Example: import the converter parameters as needed.

1. Connect the computer to the VFD according to chart-3.
2. Export the VFD parameters Excel table.
3. Modify the Excel and set it in the user Settings bar, as shown in chart-15 below.

功能码	中文含义	英文含义	寄存器地址	用户设置	出厂设置	最小单位	单位	设定范围	更改	小数位数
A0.01	控制方式选择	Control mode	0001	2	0	1	x	0~2	x	0
A0.02	主频率源选择	Main referenc	0002	3	0	1	x	0~5	o	0
A0.03	数字频率给定	Set the oper	0003	50.00	50.00	0.01	Hz	0~30000	o	2
A0.04	运行命令通道选择	Methods of in	0004	0	1	1	x	0~2	o	0
A0.06	加速时间1	Acc time 1	0006	6.0	22kw and	0.1	s	0~60000	o	1
A0.07	减速时间1	Dec time 1	0007	6.0	22kw and	0.1	s	0~60000	o	1
A6.00	输入端子X1功能选择	Multi-functi	0600	2	1	1	x	0~50	x	0
A6.01	输入端子X2功能选择	Multi-functi	0601	1	2	1	x	0~50	x	0
A6.02	输入端子X3功能选择	Multi-functi	0602	12	6	1	x	0~50	x	0
A6.16	继电器R1输出功能	Output functi	0610	9	16	1	x	0~20	x	0
A6.17	继电器R2输出功能	Output functi	0611	16	15	1	x	0~20	x	0
b0.00	电机额定功率	Rated power	0A00	1.5	0.0	0.1	kW	4~9999	x	1
b0.01	电机额定电压	Rated voltage	0A01	220	0	1	V	0~9999	x	0
b0.02	电机额定电流	Rated current	0A02	7.5	Dependent	0.1	A	1~9999	x	1
b0.03	电机额定频率	Rated frequen	0A03	50.00	Dependent	0.01	Hz	100~30000	x	2
b0.04	电机极数	Number of pol	0A04	4	4	1	x	2~24	x	0
b0.05	电机额定转速	Rated speed	0A05	1440	1440	1	RPM	0~60000	x	0

Chart-15

4、Import the modified excel form into the VFD and see chart-16 after the import.

Import	Export	Funcodes	Definition	Settings	Unit	Rewritable
<input type="checkbox"/>	<input type="checkbox"/>	A0.01	Control mode	2	x	x
<input type="checkbox"/>	<input type="checkbox"/>	A0.02	Main reference frequency selector	3	x	o
<input type="checkbox"/>	<input type="checkbox"/>	A0.03	Set the operating frequency in digital mode	50.00	Hz	o
<input type="checkbox"/>	<input type="checkbox"/>	A0.04	Methods of inputting operating commands	0	x	o
<input type="checkbox"/>	<input type="checkbox"/>	A0.06	Acc time 1	6	s	o
<input type="checkbox"/>	<input type="checkbox"/>	A0.07	Dec time 1	6	s	o
<input type="checkbox"/>	<input type="checkbox"/>	A6.00	Multi-function terminal X1	2	x	x
<input type="checkbox"/>	<input type="checkbox"/>	A6.01	Multi-function terminal X2	1	x	x
<input type="checkbox"/>	<input type="checkbox"/>	A6.02	Multi-function terminal X3	12	x	x
<input type="checkbox"/>	<input type="checkbox"/>	A6.16	Output functions of relay R1	9	x	x
<input type="checkbox"/>	<input type="checkbox"/>	A6.17	Output functions of relay R2	16	x	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.00	Rated power	1.5	kW	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.01	Rated voltage	220	V	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.02	Rated current	7.5	A	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.03	Rated frequency	50.00	Hz	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.04	Number of polarities of motor	4	x	x
<input type="checkbox"/>	<input type="checkbox"/>	b0.05	Rated speed	1440	RPM	x

Import Successful!

Chart-16