



UDP6722

New Product

Programmable DC power supply

Product Introduction

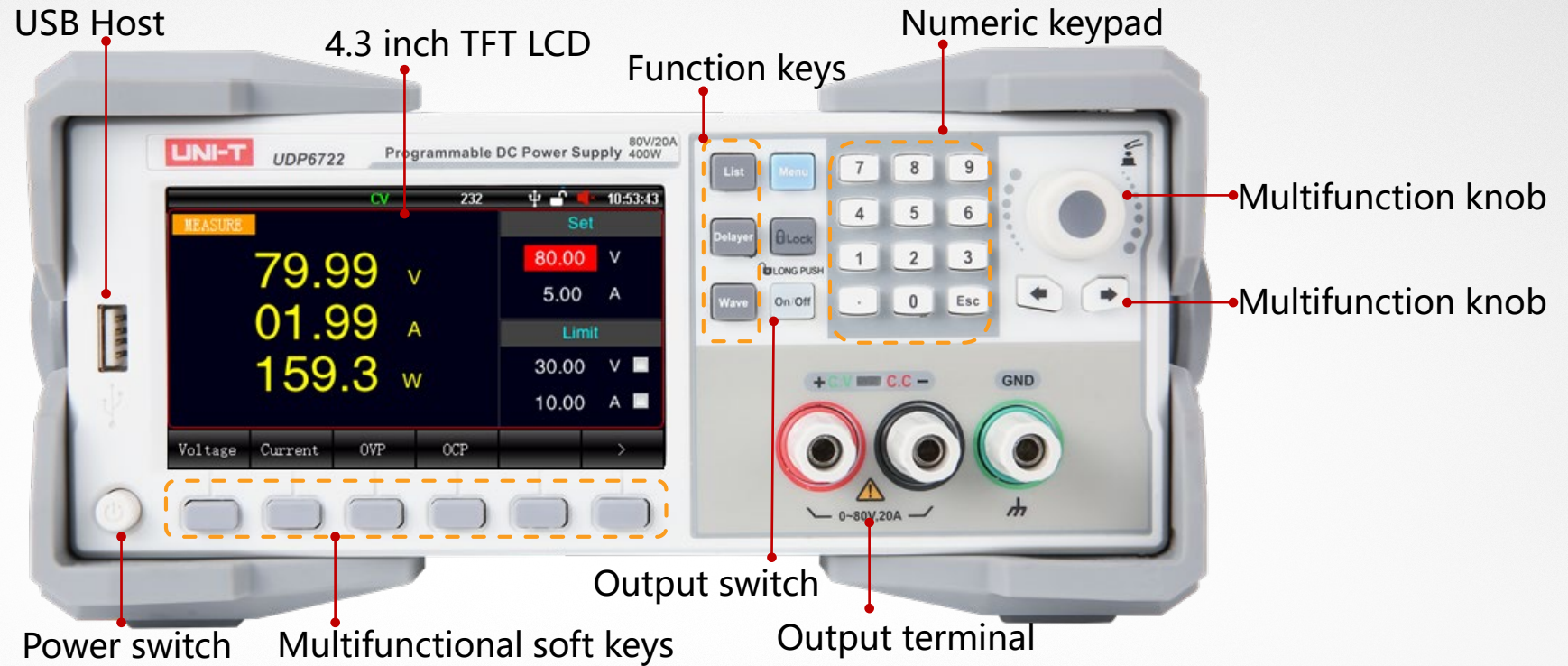
UNI-T®



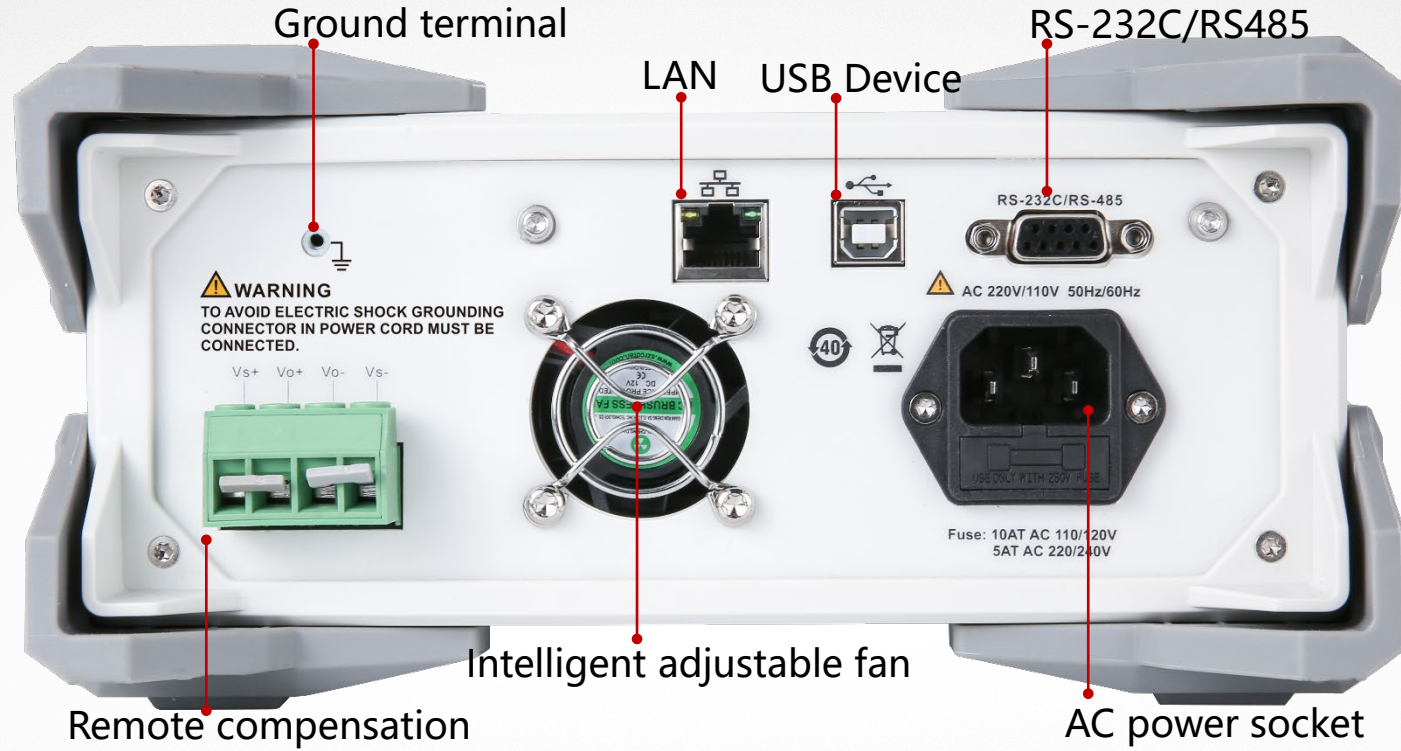
UDP6722 programmable DC power supply is a **wide range switching** power supply. This model has the characteristics of small size, light weight and powerful functions; it adopts **4.3inch** LCD screen, intuitive parameters and quick operation; it can be used in automatic test system, product development and debugging, laboratory, teaching experiment, mobile phone home appliance repair and other fields.

- **80V/20A/400W** wide range output
- **4.3-inch** TFT-LCD display
- High precision and low ripple
- OVP, OCP, OTP
- **Remote compensation** function
- **List, delay** function, simulate a variety of loading conditions
- Voltage, current and power **waveform display**
- Fan intelligent adjustment
- Abundant interfaces: **RS232, RS485, LAN, USB Host, USB Device**
- Support **SCPI/MODBUS** protocol
- Supporting **host computer software** to realize remote operation and monitoring

Product Panels



Product Panels



Product Comparisons



UDP6722



UDP6722

Channel: 1
Voltage: 80V
Current: 20A
Power: 400W
Resolution :10mV/10mA
Display: 4.3 inch LCD
Communication Interface: RS232,RS485,LAN,USB device

IT6722



IT6722

Channel: 1
Voltage: 80V
Current: 20A
Power: 400W
Resolution :10mV/10mA
Display: VFD
Communication Interface: RS232,USB device, GPIB

Product Comparisons (VS UNI-T Self)



Model		UDP6722	UDP6730	UDP6731
Channel	Channel	1	1	1
Output Rating	Voltage	0~80V; 0~20A; 400W	0~40V; 0~30A; 360W	0~80V; 0~15A; 360W
Load Regulation	Voltage	<0.01%+10mV	<0.03%+15mV	<0.03%+30mV
	Current	<0.1%+5mA (<25mA)	<0.03%+30mA(<39mA)	<0.03%+15mA(<19.5mA)
Line Regulation	Voltage	<0.01%+2.5mV	<0.03%+15mV	<0.03%+30mV
	Current	<0.1%+2.5mA	<0.1%+15mA	<0.1%+10mA
Programming Accuracy	Voltage	<0.01%+20mV	<0.1%+10mV	<0.1%+10mV
	Current	<0.1%+10mA	<0.3%+30mA	<0.3%+10mA
Read back Accuracy	Voltage	<0.01%+20mV	<0.1%+10mV	<0.1%+10mV
	Current	<0.1%+20mA	<0.3%+30mA	<0.3%+10mA
Ripple	Voltage	<50mVrms	<12mVrms	<12mVrms
	Current	<15mArms	<72mArms	<27mArms
Display	Screen	4.3 inch LCD	2.8 inch LCD	2.8inch LCD
Dimension	W*H*D	214mm×88mm×393mm	88mm×174mm×275mm	88mm×174mm×275mm
Weight	Net	4.65 kg	2.5kg	2.5kg
List & delayer	List & delayer	Yes, 40*200	Yes	Yes
Input	Input	AC: 220V±10%	AC:110(±10%)V/220(±10%)V	AC:110(±10%)V/220(±10%)V
Remote compensation		1V	0.6V	0.6V
Interface	Remote	RS232, RS485, USB Host, USB Device, LAN	RS232	RS232

Product Comparisons(VS Competitors)



Model		UDP6722	IT6722
Channel	Channel	1	1
Output Rating	Voltage	0~80V; 0~20A; 400W	0~80V; 0~20A; 400W
Load Regulation	Voltage	<0.01%+10mV	<0.01%+10mV
	Current	<0.1%+5mA	<0.1%+5mA
Line Regulation	Voltage	<0.01%+2.5mV	<0.01%+2.5mV
	Current	<0.1%+2.5mA	<0.1%+2.5mA
Programming Accuracy	Voltage	<0.01%+20mV	<0.01%+20mV
	Current	<0.1%+10mA	<0.1%+10mA
Read back Accuracy	Voltage	<0.01%+20mV	<0.01%+20mV
	Current	<0.1%+20mA	<0.1%+20mA
Ripple	Voltage	<50mVrms	<50mVrms
	Current	<15mArms	<15mArms
Display	Screen	4.3 inch LCD	VFD
Dimension	W*H*D	214mm×88mm×393mm	214.5mm×88.2mm×354.6mm
Weight	Net	4.65 kg	4kg
List & delayer	List & delayer	Yes, 40*200	Yes,9×150
Input	Input	AC: 220V±10%	AC:220(±10%)V
Remote compensation		1V	1V
Protocol		SCPI, MODBUS	SCPI
Interface	Remote	RS232, RS485, USB Host, USB Device, LAN	USB Device, RS232, GPIB

Product Features



- The **list mode** provides a sequence output of up to **200 steps** to suit various output needs.

The screenshot shows a device interface in 'LIST' mode. At the top, it displays 'OFF LIST 232' and the time '10:45:31'. Below this is a menu with 'SETUP', 'LIST', and 'DElayer'. The 'LIST' menu is expanded to show parameters: FileNum (File:1), Start (000), Group (008), Repeat (0001), Finish (Stop), and Enable (On). To the right is a table of steps. Step 4 is highlighted in red. At the bottom, there are buttons for 'Basic', 'Reset', 'Step', 'Voltage', 'Current', and 'Time'.

No.	Volt/V	Curr/A	Time/s
0	6.00	1.00	1.0
1	4.00	1.00	1.0
2	6.00	1.00	1.0
3	10.00	1.00	1.0
4	3.30	1.00	1.0
5	10.00	20.00	5.0
6	6.00	20.00	1.0
7	4.00	20.00	1.0
8	3.30	1.00	1.0
9	1.00	1.00	1.0

Product Features



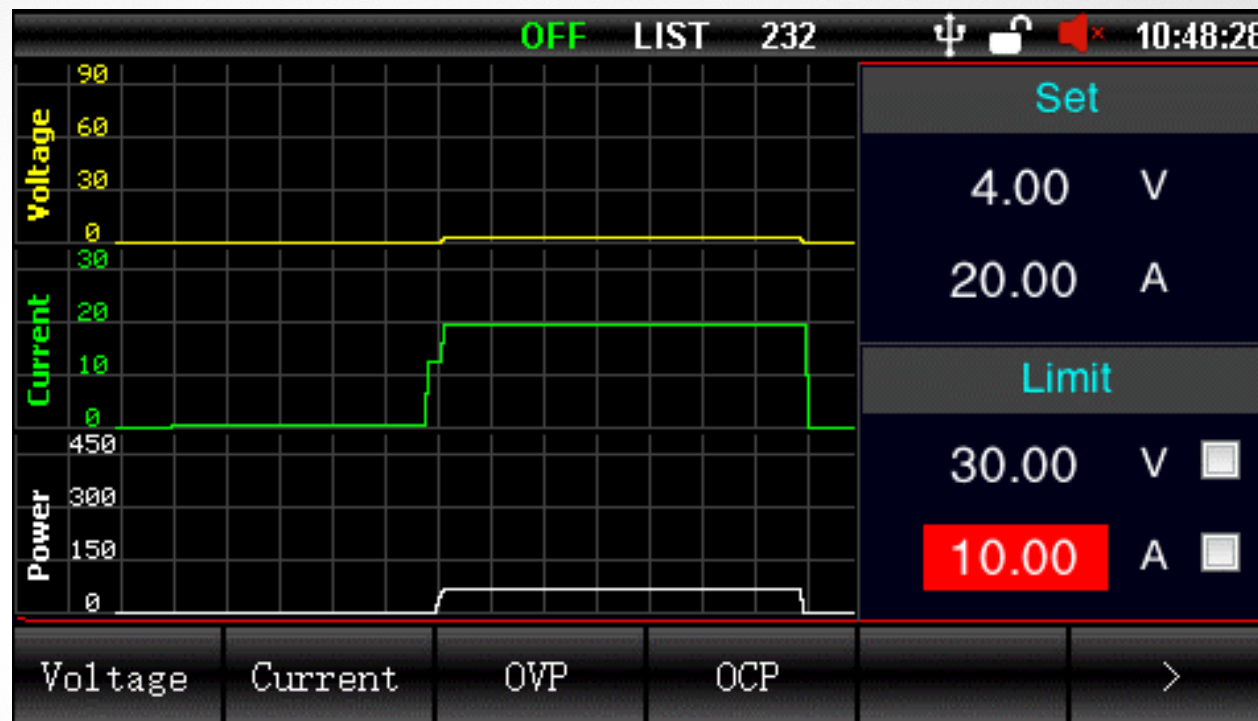
- The **delayer mode** provides a sequence output of up to **200 steps** to realize automatic multiple power-on/off operations.

FileNum	File:0	No.	On/Off	Time/s
Start	000	0	On	0.1
Group	009	1	Off	3.0
Repeat	0001	2	On	1.0
Finish	Stop	3	Off	3.0
Enable	On	4	On	1.0
		5	Off	3.0
		6	On	1.0
		7	Off	3.0
		8	On	1.0
		9	Off	3.0

Product Features



- Intuitive voltage, current, power waveform display



Product Features

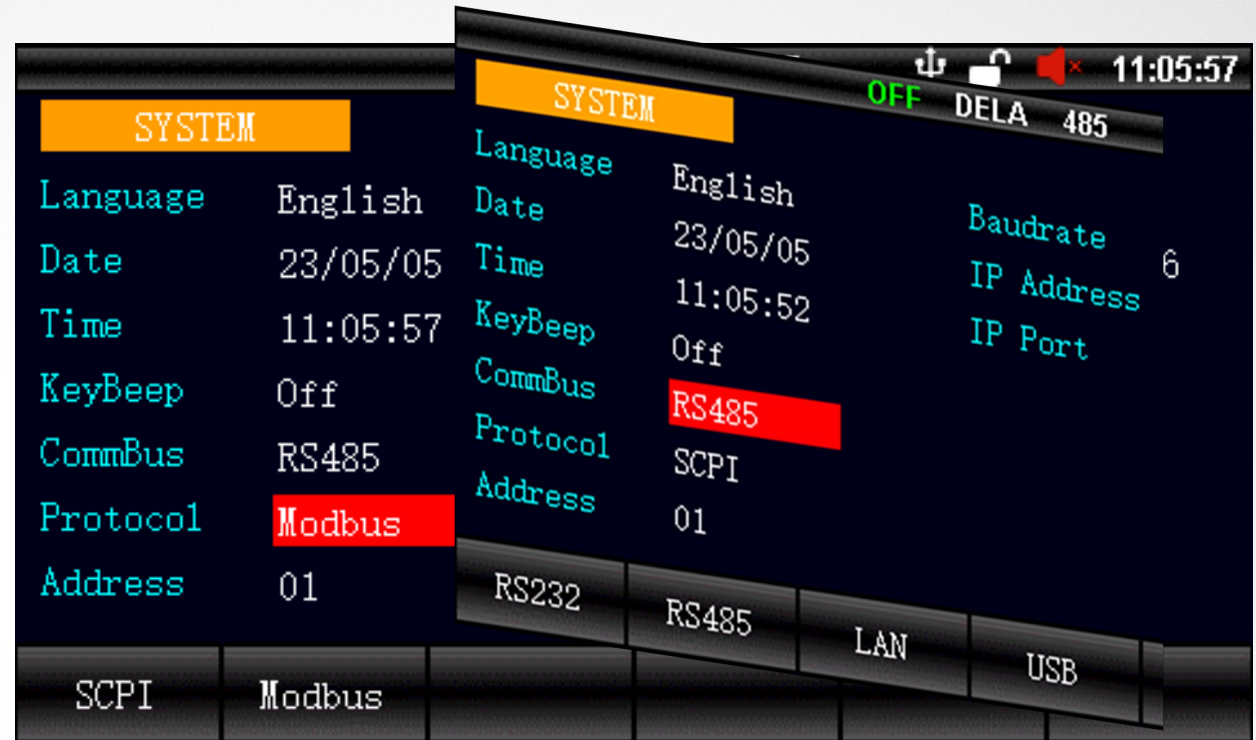


- 4.3 inch true color LCD display



|| Product Features

- Support **SCPI, MODBUS** dual protocol
- With **RS232, 485, LAN, USB** multiple interconnection ports



Product Features



- Perfect **file management** function. 100 configuration files, 40 delayer files and 40 list files can be saved

The screenshot shows a device's file management interface. At the top, the status bar displays 'OFF DELA 485' in green, a USB icon, a lock icon, a speaker icon, and the time '11:12:29'. Below the status bar, there is a header area with 'LIST FILE<LOCAL>' on the left and 'No.1 "ListFile_1"' on the right. The main area contains a table with the following data:

No.	Name	CreationTime	PoweronLoad	AutoSave
0	DefaultList	22-12-01 08:59:59	No	No
1	ListFile_1	23-05-04 16:55:19	Yes	No
2	ListFile_2	23-05-05 10:43:41	No	No
3				
4				
5				
6				
7				
8				
9				

At the bottom of the screen, there is a navigation bar with buttons for 'PowerOn Load', 'AutoSave', 'Copy UDisk', and a back arrow.

|| Product Features

- The **output duration** and **boot-up** can be set



Selling Points



Feature	Advantage	Benefit
Wide range output	Maximum output: 80V, 20A, 400W。 One replaces multiple power supplies	Save space and money
The output curve display	Curves display voltage, current, power change trends, the test process is more intuitive	Improve user experience
List function	The power output sequence can be easily edited to meet the needs of multiple changing power sources	Boost for automated testing
Delayer function	The delayer can realize the power off and on multiple times, providing a solution for the switch machine test	Save manpower and tedious operations
Support dual protocol	Support SCPI and MODBUS dual protocols to meet the remote control of more application scenarios	Faster integration into existing automation systems
Multiple interfaces	USB Host and USB Device, LAN, RS232, RS485 various interconnection ports	Stronger adaptability, adapt to more scenarios
File management	Support local and U disk to save multiple sets of setting files, list files and delayer files. With the function of automatic loading and automatic saving, it is more convenient to call and use	Support multi-machine copy, improve work efficiency
Save screenshot	One-click screenshot of important test interface for later analysis	Saves the operation of photo editing
Timing output and automatic start-up	The user can flexibly set the output duration according to the specific application scenario, and the output will be automatically output when the power is turned on	More flexible to meet application scenarios
Remote compensation	The remote compensation function can solve the problem of long wiring loop and obvious voltage drop	More accurate measurement
4.3 inch full color LCD	Comprehensive information display, color separation to display different content more convenient to use	Human-computer interaction is easier
PC remote control	Standard host computer software, which can remotely monitor and analyze the power supply	Man-machine separation

Order Information



	Description	Product Size	Product Net Weight	Standard Quantity per Carton	Order No.
Models	1CH,80V,20A, 400W, Programmable DC switching power supply	214mm×88mm×393mm	4.65 kg	1pcs	UDP6722

	Description	Product Size	Product Net Weight	Standard Quantity per Carton	Order No.
Standard accessories	Power cord	--	--	1pcs	--
	RS232 Data Cable	--	--	1pcs	--
	Fuse	--	--	2 pcs	--

|| Standard Pricing

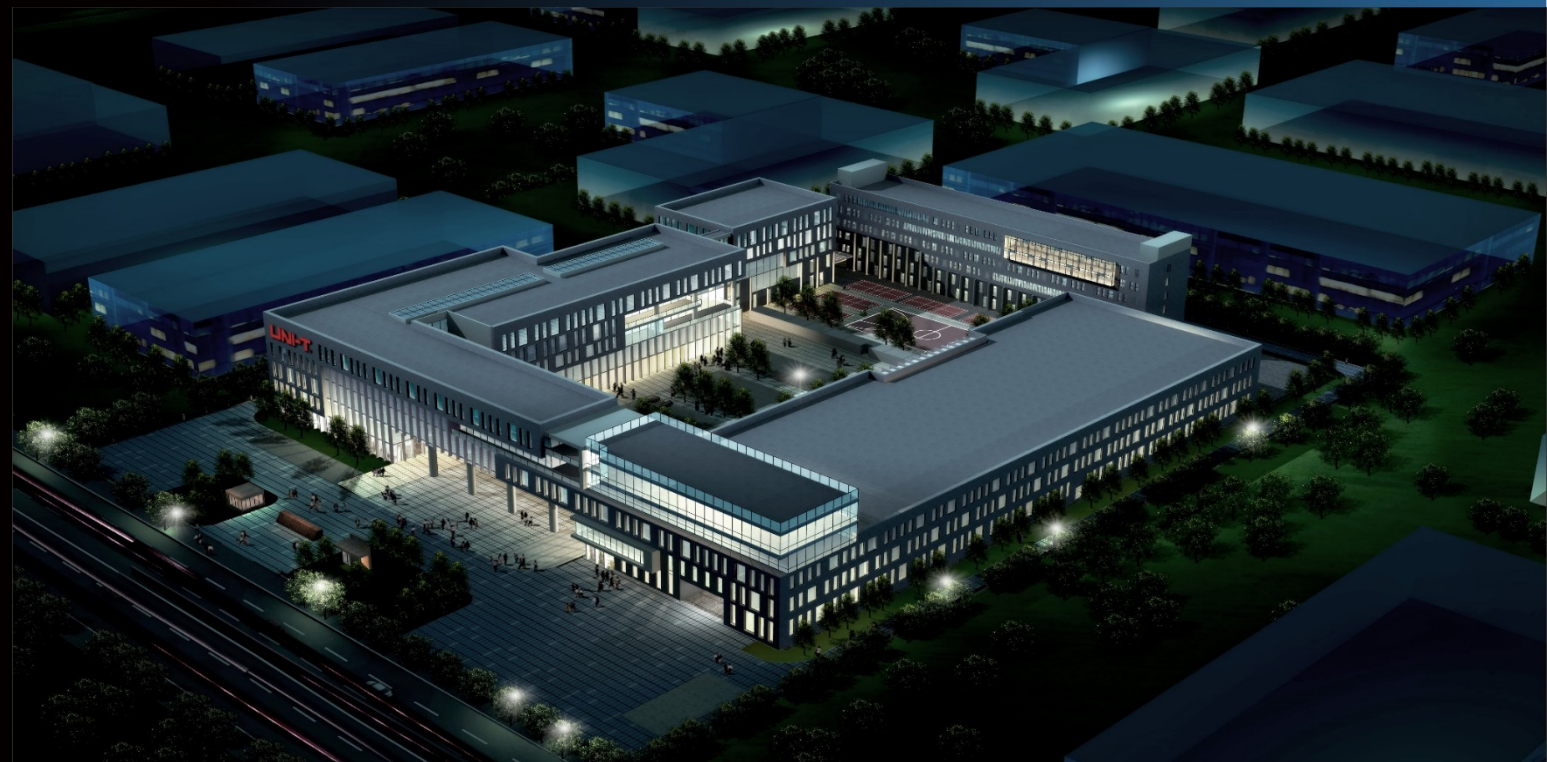
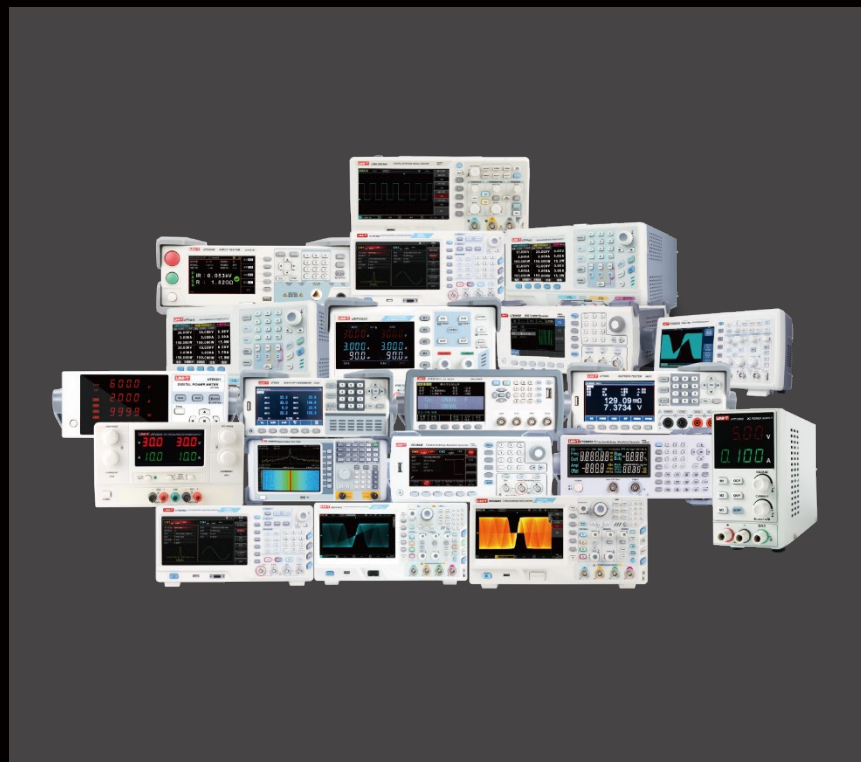


Model	Description	MSRP (USD)	Factory Price Discount (%)	Factory Price (USD)	Demo Unit Price Discount (%)	Demo Unit Price (USD)
UDP6722	80V,20A,400W Programmable DC switching power supply	US\$ 599	50%	US\$ 300.00	45%	US\$ 270

* For the prices of accessories and options, please refer to the latest "Test & Measurement Instrument Price list"

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