

# Datasheet

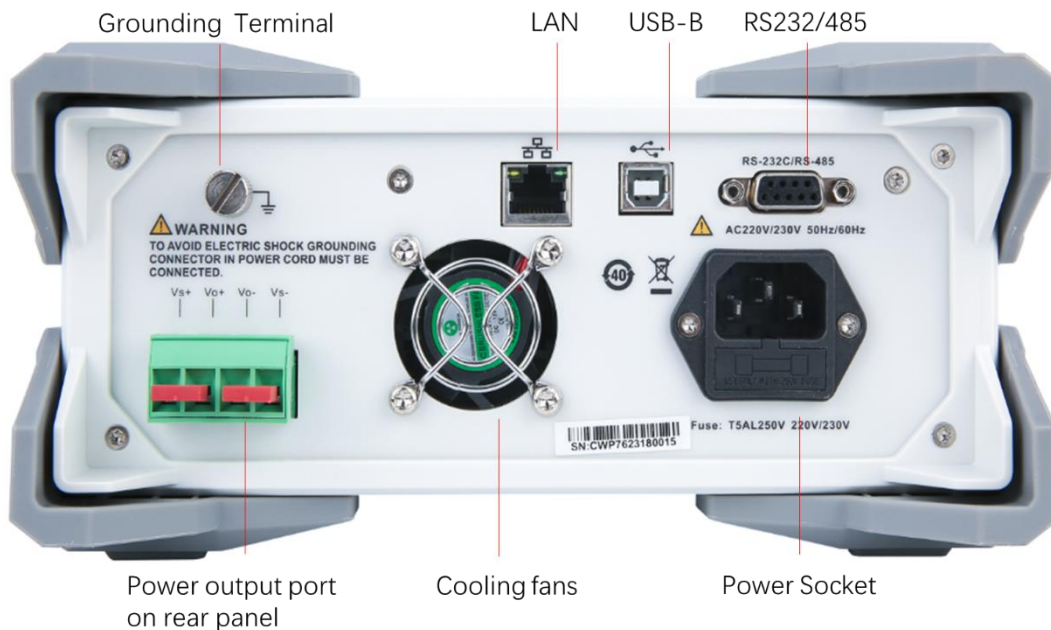
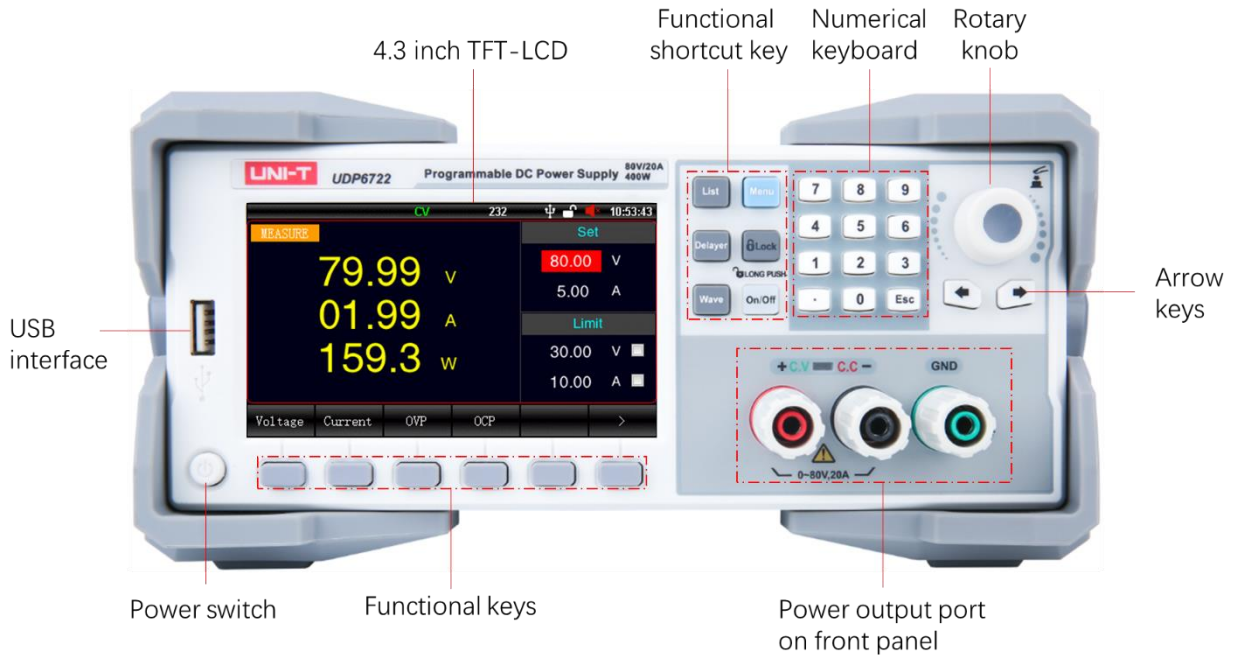
UDP6722 Programmable DC Power Supply

## 1. Characteristics

- Power output 80V/20A/400W
- 4.3 inch TFT-LCD, simple and easy operation panel
- High resolution and low ripple
- OVP/OCP/OTP protection
- Remote sensing function
- List, delayer function, simulate various on load situations
- Waveform display of voltage, current and power
- Intelligent regulation fans
- Multiple interfaces: RS232, RS485, LAN, USB Host and USB Device
- Supports SCPI/MODBUS protocol

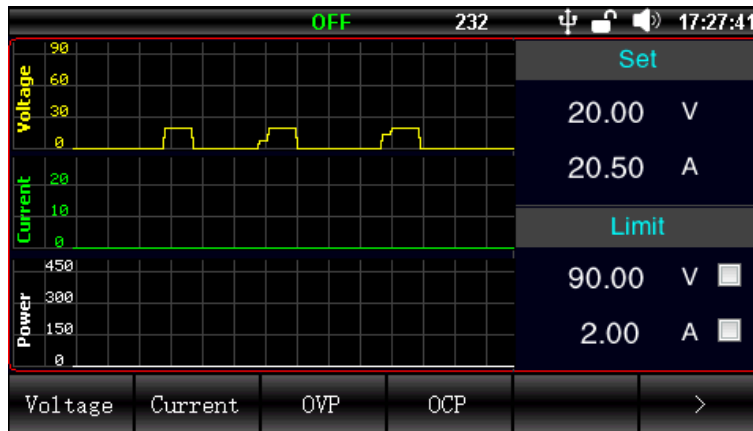
## 2. Product Introduction

UDP6722 programmable DC power supply is switching power supply with wide span. The model is small, light and powerful. It adopts LCD, so the parameter can be display directly and easy to use; the product can be applied to the field of automatic test system, R&D, laboratory, teaching experiment, phone and home appliances maintenance.



### 3. Design Highlights

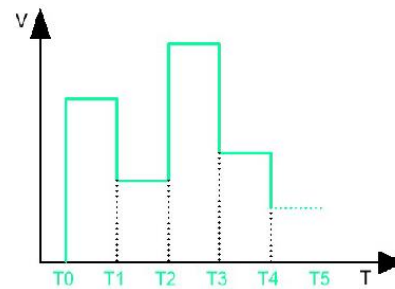
#### Waveform Display



The instrument can display the waveform of voltage, current and power. If the waveform changes, the changing will directly display on the screen.

#### List Function

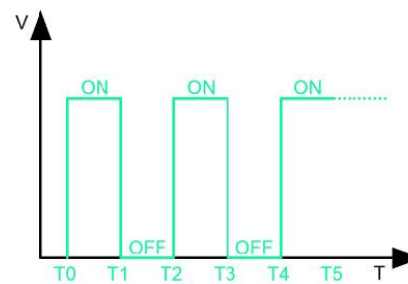
SETUP	LIST	DElayer	No.	Volt/V	Curr/A	Time/s
FileNum	File:1	0	3.00	1.00	1.0	
Start	000	1	1.50	1.00	1.0	
Group	199	2	4.00	1.00	1.0	
Repeat	0001	3	2.00	1.00	1.0	
Finish	Stop	4	1.00	1.00	1.0	
Enable	Off	5	1.00	1.00	1.0	
		6	1.00	1.00	1.0	
		7	1.00	1.00	1.0	
		8	1.00	1.00	1.0	
		9	1.00	1.00	1.0	



The list mode supports the maximum setting of 200 steps, and each step can set the voltage and current and the output time by custom. It's for meet the various output needs. The list can loop or terminate after the output is completed.

#### Delayer Function

SETUP	LIST	DElayer	No.	On/Off	Time/s
FileNum	File:0	0	On	1.0	
Start	000	1	Off	1.0	
Group	199	2	On	1.0	
Repeat	0001	3	Off	1.0	
Finish	Stop	4	On	1.0	
Enable	Off	5	Off	1.0	
		6	On	1.0	
		7	Off	1.0	
		8	On	1.0	
		9	Off	1.0	



The delayer mode supports the maximum setting of 200 steps. Compare to the list mode, the delayer mode only has output mode and stop output mode. The output mode is to output the current parameter, it simplifies the user setup.

## 4. Technical Index

Rated output voltage	0~80V
Rated output current	0~20A
Output power	400W
Load regulation	Voltage: <0.01%+10mV
	Current: <0.1%+5mA
Power regulation	Voltage: <0.01%+2.5mV
	Current:<0.1%+2.5mA
Resolution	Voltage: 10mV
	Current: 10mA
Accuracy (25°C±5°C)	Voltage: <0.01%+20mV
	Current:<0.1%+10mA
Readback resolution	Voltage: 10mV
	Current: 10mA
Readback accuracy (25°C±5°C)	Voltage: <0.01%+20mV
	Current:<0.1%+20mA
Ripple and noise (20Hz~20MHz)	Voltage: <50mVp-p
	Current: <15mArms
Temperature coefficient	0.02%/°C+10mV
	0.03%/°C+10mA
Remote sensing	1V
Storage	100
List function	40*200
Display mode	4.3"TFT LCD
Interface	RS232/RS485/USBHost/USBDevice/LAN
USB	√
Communication protocol	SCPI/MODBUS
Power voltage	AC 220V±10%
Frequency	50Hz/60Hz
Size (W×H×D)	214X88X393mm
Weight	4.65 kg

## 5. Accessories

Article	Quantity	Remarks
DC power supply	1 pcs	UDP6722 (including square hole plug and short circuit plate)
Power cord	1 pcs	
RS232 communication line	1 pcs	
Spare fuse	2 pcs	T5AL 250V
User's Manual	0 pcs	Electronic user's manual can download from the official website.

## 6. Contact Us

UNI-T Technical Support Hotline: 400-876-7822

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