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# Data Sheet

## UTP1300 Series DC Power Supply



## Main Features

- Rated output voltage: 0 ~ 32V
- Rated output current: 0 ~ 6 / 10A
- Setting resolution: 10mV / 1mA
- 4-digit voltage / current high precision display
- Minimum overall dimension
- Overvoltage and overcurrent protection
- Keyboard lock
- Three groups of preset
- Independent output switch
- Encoder knob

# DC Power Supply Panel



- ① Voltage display
- ② Current display
- ③ “M1~M3” storage/recall buttons
- ④ OVP setting button
- ⑤ OCP setting button
- ⑥ Output on/off button
- ⑦ Voltage output adjustment knob
- ⑧ Current adjustment knob
- ⑨ Positive (red) output terminal
- ⑩ Negative (black) output terminal
- ⑪ Ground terminal
- ⑫ Power supply switch
- ⑬ Cooling fan
- ⑭ AC selector
- ⑮ Power supply input socket
- ⑯ Fuse holder

# Product Introduction

UTP1310 high-quality economical DC power supply has 4 digits voltage and current display, settable over voltage protection (OVP) and over current protection (OCP). It is an ideal tool for school, product line, appliance maintenance center, etc. with highly stable performance.

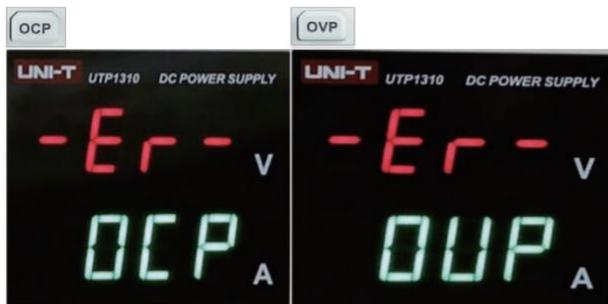
## Rated output

UTP1300 series is a high-efficiency DC power supply with maximum output voltage of 32V, maximum current of 10A and maximum output power of 320W. 4digits display, resolution 10mV / 1mA, the accuracy can meet the basic applications such as school, industry, R & D and manufacturing.



## Protection function

After enabling the protection function, when the output reaches the protection value, an alarm will be triggered, and the output will be closed to protect the equipment. The instrument is equipped with a fan to adjust the temperature, so as to avoid excessive temperature of the equipment.



## Save three sets of settings

UTP1300 series provides M1, M2 and M3 preset settings. The voltage and current group can be preset to avoid repeated setting time. Improve setup efficiency.



## Keyboard locking

This series of power supplies provides keyboard locking. When this function is activated, the keyboard will be locked. It can avoid misoperation of the ongoing measurements.



# Technical Specification

Model		UTP1306	UTP1310
Channel	Channel	1	1
Output Rating	Voltage	0~32V	0~32V
	Current	0~6A	0~10A
	Power	192W	320W
Load Regulation	Voltage	<0.1%+5mV	<0.1%+5mV
	Current	<0.2%+3mA	<0.2%+3mA
Line Regulation	Voltage	<0.01%+5mV	<0.01%+5mV
	Current	<0.2%+3mA	<0.2%+3mA
Programming Accuracy	Voltage	<0.1%+1 digists	<0.1%+1 digists
	Current	<0.2%+3mA	<0.2%+3 digists
Ripple	Voltage	10mVrms	10mVrms
	Current	5mA <sub>rms</sub>	5mA <sub>rms</sub>
OVP	OVP	0~32V±0.2%FS	0~32V±0.2%FS
OCP	OCP	0~6.0A±0.2%FS	0~10.0A±0.2%FS
Max	Voltage	32V±0.2%	32V±0.2%
	Current	6.0A±0.2%	10.0A±0.2%
Set resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Readback resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Display	Display	LED, 4-digit display	LED, 4-digit display
Dimension	W*H*D	80*150*230 (mm)	80*150*230 (mm)
Weight	Net	1.9kg	1.9kg
Input	Voltage	AC:110(±10%)V/220(±10%)V, 50Hz	AC:110(±10%)V/220(±10%)V, 50Hz
Environment	Operating	0C~40C, ≤80%RH	0C~40C, ≤80%RH
	Storage		-20C~60C, ≤80%RH

Standard accessories	
Alligator clip test lead double parallel	Red + Black / OD: 3.6mm/PVC double parallel(3.0*6.0mm2) / 1200mm / 220V / 10A standard Ø4mm lantern head plug red / Black (RoHS)
Power cable	Fits the standard of destination country

## Warranty

Three-years warranty, excluding probes and accessories.

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