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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.

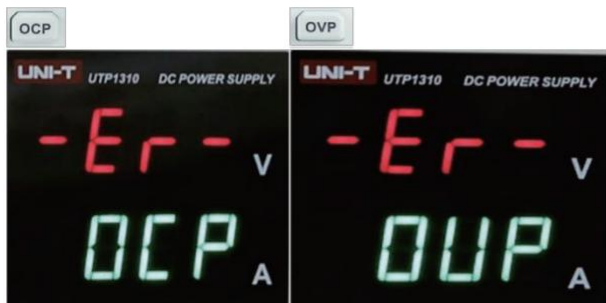
Rated output

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.



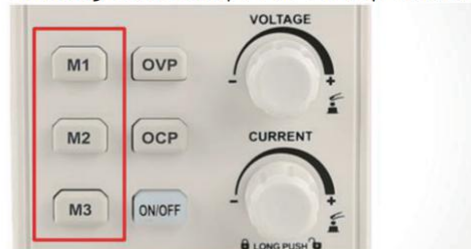
Protection function

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 _{rms} | 5mA _{rms} |
| 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 |



*The UTP1300 series have been certified by CE, cETLus.

| 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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UNI-TMKT/TMI/SCAL-2112-023

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