



Datasheet

UDP3303C-U Programmable Linear DC Power Supply

REV 1.1
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Introduction

UDP3303C-U DC power supply with three independent outputs is a cost-effective programmable DC power supply with excellent performance, reliable output and clear interface. The instrument has constant voltage (CV) and constant current (CC) modes, short-circuit and over-voltage protection functions, which can perfectly meet various test requirements.

Features

- High precision 4-digit voltage and current display
- Ove voltage/current/temperature protection
- Output voltage/current settings viewable
- USB-Device, RS232 interface
- Shutdown memory
- Keyboard lock
- Intelligent temperature-controlled fan
- 5V/2A USB charging interface
- 5 sets of setup storage: M 1-M5

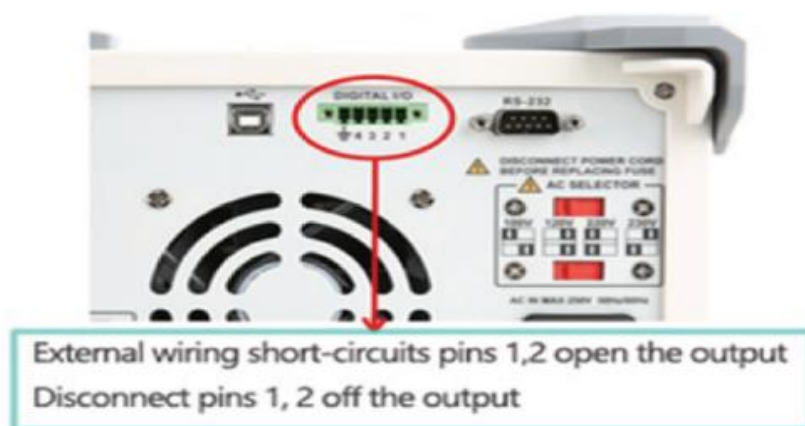
Design Features



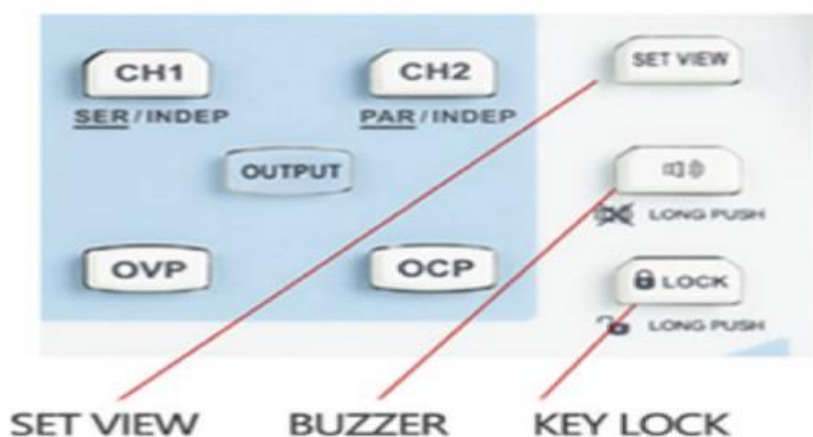
3CH outputs, High precision Display



Five sets of settings to save and recall



Remote control Digital I/O interface



Buzzer switch and key lock function, shutdown memory function, SET VIEW function

Technical index

| Model | | UDP3303C-U |
|--------------------------------------|------------------|--------------------------------|
| Output voltage (CH1/CH2) | | 0~30V |
| Output current (CH1/CH2) | | 0~3A |
| Output power | | 195W |
| Resolution | | 10mV,1mA |
| Power regulation | CV Mode | $\leq 0.01\% + 3\text{mV}$ |
| | CC Mode | $\leq 0.2\% + 3\text{mA}$ |
| Load regulation | CV Mode | $\leq 0.01\% + 3\text{mV}$ |
| | CC Mode | $\leq 0.2\% + 3\text{mA}$ |
| Programming accuracy (25°C ± 5°C) | Voltage | $\leq 0.1\% + 30\text{mV}$ |
| | Current | $\leq 0.5\% + 2\text{mA}$ |
| Ripple and noise (20Hz~20MHz) | Voltage | $\leq 1\text{mVrms}$ |
| | Current | $\leq 3\text{mA}_{\text{rms}}$ |
| Temperature coefficient | Voltage, Current | $\leq 300\text{ppm}$ |
| Parallel Mode | Power regulation | $\leq 0.01\% + 3\text{mV}$ |
| | Load regulation | $\leq 0.01\% + 3\text{mV}$ |
| | Power regulation | $\leq 0.01\% + 5\text{mV}$ |

| | | |
|------------------------------|--|---|
| Series Mode | Load regulation | ≤300mV |
| | Error | ≤0.5%±10mV (10~30V no-load), (access load ≤ 300mV) |
| | | ≤0.5%±30mV (0~9.99V no-load), (access load ≤ 300mV) |
| CH3 output features | Voltage | 1.8V/2.5V/3.3V/5.5V (±3% Can be fine-tuned) |
| | Current | 3.2A |
| | Power regulat1on(25°C±5°C) | ≤5mV |
| | Load regulat1on(25°C±5°C) | ≤15mV |
| USB(CH4) | Output Voltage | 5V±0.25V |
| | Output Current | 2A |
| | General Characteristics | |
| Power | AC 100V /120V /220V /230V ±10%, 50Hz/60Hz | |
| Display | EBTN LCD | |
| Product net weight | 8.8kg | |
| Product size (W×H×D) | 240mm×168mm×347mm | |
| Standard quantity per carton | 2 pcs | |
| Standard carton size | 445mm×365mm×300mm | |
| Standard carton gross weight | 12kg | |
| | Ordering Information | |
| UDP3303C-U | Programmable Linear DC Power Supply (3-Channel, 30V, 3A) | |
| Standard Accessories | Power cord | |
| | USB interface cable | UT-D14 |
| | Alligator clip test line | |

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