



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.

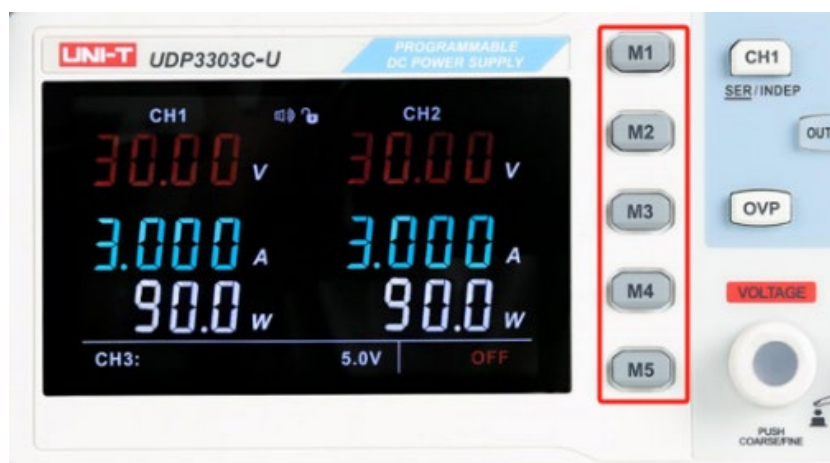
Features

- 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

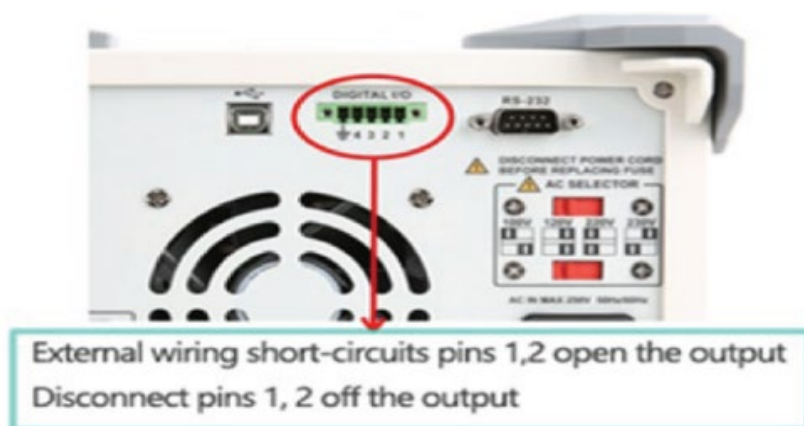
Design Features



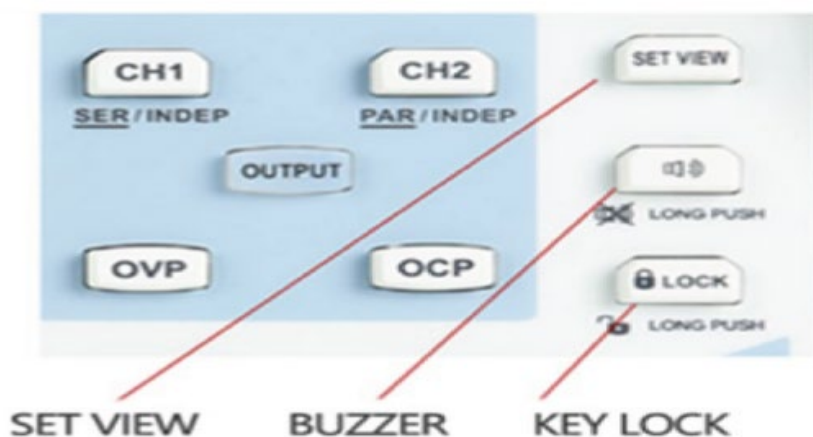
3CH outputs, High precision Display



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	

Note: Limited by the output terminal structure, the voltage load adjustment rate is not guaranteed.

Limited Warranty and Liability

UNI-T guarantees that the Instrument product is free from any defect in material and workmanship within three years from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination, or improper handling. If you need a warranty service within the warranty period, please contact your seller directly. UNI-T will not be responsible for any special, indirect, incidental, or subsequent damage or loss caused by using this device. For the probes and accessories, the warranty period is one year. Visit instrument.uni-trend.com for full warranty information.



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Headquarter

UNI-TREND TECHNOLOGY (CHINA) CO., Ltd.

Address: No.6, Industrial North 1st Road, Songshan Lake Park, Dongguan City, Guangdong Province, China

Tel: (86-769) 8572 3888

Europe

UNI-TREND TECHNOLOGY EU GmbH

Address: Affinger Str. 12
86167 Augsburg Germany
Tel: +49 (0)821 8879980

North America

UNI-TREND TECHNOLOGY US INC.

Address: 3171 Mercer Ave STE 104, Bellingham, WA 98225
Tel: +1-888-668-8648