

UDP3300 Series Programmable Linear DC Power Supply



◆ Introduction

UDP3300C series 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
- Over 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: M1-M5

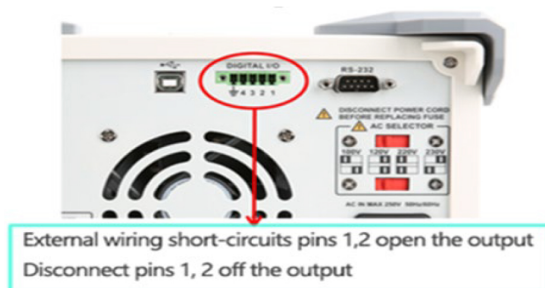
◆ Design Features



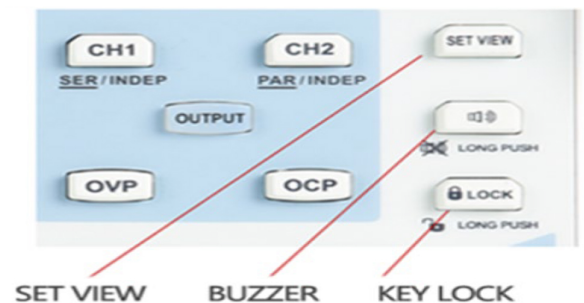
3 CH outputs, High precision Display



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	UDP3305C
Output voltage (CH1/CH2)		0~30V	
Output current (CH1/CH2)		0~3A	0~5A
Output power		195W	315W
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	$\leq 0.01\% + 3\text{mV} (\leq 3\text{A})$; $\leq 0.02\% + 5\text{mV} (> 3\text{A})$	
	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	$\leq 3\text{mA rms}$	
Temperature coefficient		$\leq 300\text{ppm}$	
Parallel Mode	Power regulation	$\leq 0.01\% + 3\text{mV}$	
	Load regulation	$\leq 0.01\% + 3\text{mV}$ (rated current $\leq 3\text{A}$)	
		$\leq 0.02\% + 5\text{mV}$ (rated current $> 3\text{A}$)	
Series Mode	Power regulation	$\leq 0.01\% + 5\text{mV}$	
	Load regulation	$\leq 300\text{mV}$	
	Error	$\leq 0.5\% \pm 10\text{mV}$ (10~30V no-load); (access load $\leq 300\text{mV}$) $\leq 0.5\% \pm 30\text{mV}$ (0~9.99V no-load); (access load $\leq 300\text{mV}$)	
CH3 output features	Voltage	1.8V/2.5V/3.3V/5.0V ($\pm 3\%$ Can be fine-tuned)	
	Current	3.2A	
	Power regulation (25°C±5°C)	$\leq 5\text{mV}$	
	Load regulation (25°C±5°C)	$\leq 15\text{mV}$	
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		10.2kg
Product size (W×H×D)	240mm x 168mm x 347mm		
Standard quantity per carton	2pcs		
Standard carton size	445mm x 365mm x 300mm		
Standard carton gross weight	12kg		

Ordering Information

UDP3000C Series	Programmable Linear DC Power Supply (3-Channel, 30V, 5A)	UDP3305C
	Programmable Linear DC Power Supply (3-Channel, 30V, 3A)	UDP3303C
Standard Accessories	Power cord	
	USB interface cable	UT-D14
	Alligator clip test line	
	RS232 Communication lines	