

195W~315W MULTI-CHANNEL PROGRAMMABLE DC POWER SUPPLY

PS-3300 Series

The PS-3300 series programmable DC power supply are light weight, adjustable, multi-functional work stations. They have three independent outputs: two with adjustable voltage level and one with fixed level selectable from 2.5V, 3.3V and 5V. The power supply can be used for logic circuits where various output voltage or current are needed, and for tracking mode definition systems where positive and negative voltages with good accuracy are required.



PS-3303U & PS-3305U



PS-3303 & PS-3305

MODEL	DUAL OUTPUT		FIXED OUTPUT		USB INTERFACE
	VOLTAGE	CURRENT	VOLTAGE	CURRENT	
PS-3303U	0~30V	0~3A	2.5V/3.3V/5V	3A	√
PS-3305U	0~30V	0~5A	2.5V/3.3V/5V	3A	√
PS-3303	0~30V	0~3A	2.5V/3.3V/5V	3A	
PS-3305	0~30V	0~5A	2.5V/3.3V/5V	3A	

Features

- Two independent adjustable outputs : 0~30V/3A x 2, 0~30V/5A x 2
- One fixed output : 2.5V/3.3V/5V(Selectable)-3A
- Constant voltage and constant current operations
- Digital panel control and Coarse/Fine volume control for voltage and current
- 4 sets panel settings of save & recall
- Panel lock function and output standby function
- Preset voltage and current
- Auto Series and Parallel tracking operations
- Intelligent cooling fan control
- USB Interface for PC control (PS-3303U & PS-3305U)
- Support Labview

Technical Specification

PS-3300 Series

MODEL	PS-3303U & PS-3303	PS-3305U & PS-3305
Output	0-30V/3A x2	0-30V/5A x2
Constant voltage operation		
Line regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Load regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.02\% + 5\text{mV}$
Recovery time	$\leq 100\mu\text{s}$	
Ripple & Noise	$\leq 1\text{mV rms}$	$\leq 2\text{mV rms}$
Temperature co-efficient	$\leq 300\text{PPm}/^\circ\text{C}$	
Constant current operation		
Line regulation	$\leq 0.2\% + 3\text{mA}$	$\leq 0.2\% + 3\text{mA}$
Load regulation	$\leq 0.2\% + 3\text{mA}$	$\leq 0.2\% + 5\text{mA}$
Ripple & Noise	$\leq 3\text{mA rms}$	$\leq 6\text{mA rms}$
Tracking parallel		
Line regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Load regulation	$\leq 0.01\% + 5\text{mV}$	$\leq 0.02\% + 10\text{mV}$
Tracking serial		
Line regulation	$\leq 0.01\% + 5\text{mV}$	
Load regulation	$\leq 300\text{mV}$	
Positive and Negative Supply	Slave tracking error: $\leq 0.5\% + 10\text{mV}$ of the master	
	(No load. With load, add load regulation $\leq 300\text{mV}$)	
CH3 output		
Regulation	Line regulation $\leq 25\text{mV}$, Load regulation $\leq 25\text{mV}$	
Ripple & Noise	$\leq 2\text{mV rms}$	
Output voltage	2.5V, 3.3V, 5V (selectable), $\pm 8\%$	
Output current	3A	
Protection	Over voltage, over current, over load, over temperature, current limit,	
	short circuit and reverser polarity protections.	
Insulation	Between base and output terminal $\geq 20\text{M}\Omega/500\text{VDC}$	
	Between base and power cord $\geq 30\text{M}\Omega/500\text{VDC}$	
Display		
Ammeter	3.20A full scale, 3 digits 0.5" LED display	
Voltmeter	32.0V full scale, 3 digits 0.5" LED display	
Display resolution	Voltmeter: 100mV Ammeter: 10mA	
Saving accuracy	V: $\pm(0.5\%$ of reading + 2digits)	V: $\pm(0.5\%$ of reading + 2digits)
	A: $\pm(0.5\%$ of reading + 2digits)	A: $\pm(0.5\%$ of reading + 5digits)
Readback accuracy	V: $\pm(0.5\%$ of reading + 2digits)	V: $\pm(0.5\%$ of reading + 2digits)
	A: $\pm(0.5\%$ of reading + 2digits)	A: $\pm(0.5\%$ of reading + 5digits)
Dimension	300 x 220 x 148mm	
Net Weight	Approx. 7.5kg	Approx. 10.0kg