

195W~315W TRIPLE OUTPUT LINEAR DC POWER SUPPLY

PS-2303 & PS-2305

The PS-2300 series are linear DC power supplies with 3 channels, 180W to 300W output. In constant voltage and current operations, the power supply provides high regulation and low ripple & noise. Auto series and parallel operations double output voltage and current.

The output ON/OFF control and preset voltage & current function protect the power supply and related loads from unexpected damages. The PS-2300 series are widely used in applications of powering operational amplifier, push pull stages, logic circuit and definition systems.



PS-2303

PS-2305

MODEL	DUAL OUTPUT		FIXED OUTPUT	
	VOLTAGE	CURRENT	VOLTAGE	CURRENT
PS-2303	0~30V	0~3A	5V	3A
PS-2305	0~30V	0~5A	5V	3A

Features

- Triple outputs : 0~30V/0~3A Dual - 5V/3A Fixed (PS-2303)
0~30V/0~5A Dual - 5V/3A Fixed (PS-2305)
- Over current protection
- Constant voltage & constant current, low ripple & noise, and low temperature drift
- Preset current limit point
- In the tracking mode, two outputs are automatically connected in series or parallel without extra cables.
- In series mode, the instrument can be connected as positive and negative supplies.
- Multi-tune potentiometer and easy to set up voltage
- Output standby function
- Overload protection

Technical Specification

Model	PS-2303	PS-2305
Output voltage	0~30Vx2, fixed 5V	0~30Vx2, fixed 5V
Output current	0~3A, fixed 3A	0~5A, fixed 3A
Constant voltage operation		
Load regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Line 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		
Load regulation	$\leq 0.2\% + 3\text{mA}$	
Line regulation	$\leq 0.2\% + 3\text{mA}$	
Ripple & Noise	$\leq 3\text{mA rms}$	
Tracking operation		
Parallel	Line regulation: $\leq 0.01\% + 3\text{mV}$	Line regulation: $\leq 0.01\% + 3\text{mV}$
	Load regulation: $\leq 0.01\% + 3\text{mV}$	Load regulation: $\leq 0.02\% + 5\text{mV}$
Serial	Line regulation: $\leq 0.01\% + 5\text{mV}$	
	Load regulation: $\leq 300\text{mV}$	
	Slave error: $\leq 0.5\% + 10\text{mV}$, master without load (with load, add load regulation $\leq 300\text{mV}$)	
Fixed output 5V/3A		
Output accuracy	$5\text{V} \pm 0.25\text{V}$	
Max.output current	3A	
Line regulation	$\leq 15\text{mV}$	
Load regulation	$\leq 15\text{mV}$	
Ripple & noise	$\leq 2.0\text{mV rms}$	
Protection	Current limit and short circuit protections	
Display		
Voltmeter display range	30V	30V
Display resolution	100mV	
Display accuracy	$\pm 0.5\% + 2\text{d}$	
Ammeter display range	3A	5A
Display resolution	10mA	
Display accuracy	$\pm 0.5\% + 2\text{d}$	
Display mode	3 1/2 digit LED display	
Power source	AC110V/220V, 50/60Hz	
Operating environment	$5^\circ\text{C} \sim 40^\circ\text{C}$, $< 80\%$	
Storage environment	$-10^\circ\text{C} \sim 70^\circ\text{C}$, $< 80\%$	
Dimension	245W*140H*345Dmm	
Weight	8.0KG	10KG