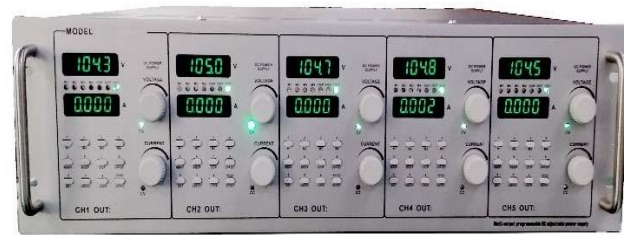


Data Sheet

SMP4C Four – Way Output Switching Mode DC Power Supply

Model: SMP4C3210

- 4-channel independent outputs.
- Max. 32V / 10A / 320W each channel, the total output power reaches 1280W
- CC / CV automatic switching.
- High precision display, 0.01 display accuracy.
- 19-inch standard chassis, can be mounted on the rack.
- Soft start and anti-shock functions to bring down impact on the grid.
- Scientific internal hardware layout for small size and saving more space.
- Ultra-low ripple <math><5\text{mVrms}</math>.



Overview

SMP4C switching mode DC power supply is a four-channel output power supply with Max. 320W DC output for each channel, and total output power to 1280W, four-channel outputs could be externally connected in series to give higher output voltage to 128V, output voltage & current of each channel are

both adjustable, it is featured for good CV/CC output precision, low ripple and high efficiency.

Features

- Four-channel output with independent control.
- CV / CC working modes, automatic switchable between two modes.
- Voltage & Current continuously adjustable, 10-turn potentiometer setting.
- Output voltage & current LED display.
- Intelligent fan cooling, withstand continuous working.
- Support series connection of four-channel outputs to give higher output voltage. ([Manual external series connection](#))
- Over voltage, over current & Over heat protection.
- 434 (483) *132*500 benchtop housing.
- Low ripple and noise.

Applications

- Products burn-in test, such as DC motors, DC fans, vehicle DVD, vehicle AUDIO, resistors and capacitors etc.
- LED, motors and DC fans test.
- Labs and universities.
- Other conditions need multi-channel stable DC output

Specifications

Input	Voltage	Single – phase 220V±10%	
	Frequency	50Hz/60Hz	
Output	Rated power	0 ~ 320W / channel (4 channels output)	
	Output voltage	Adjusting range	0V ~ 32V / channel (4 channels output)
		Line regulation	< 0.05%±20mV (Stability @ ±10% Δ UIN)
		Load regulation	< 0.08%±20mV (Stability @ 10% ~ 90% load variance)
		Ripple	5mV (RMS)
		Response time	< 5mS (Regulation rate @ 10% ~ 100% load variance)
	Output current	Adjusting range	0A ~ 10A / channel (4 channels output)
		Line regulation	< 0.2% (Stability @ ±10% Δ UIN)
		Load regulation	< 0.08% (Stability @ 0 ~ 100% Δ UOUT)
Ripple		5mA (RMS)	
Setting & Display	Control mode	Front panel button / Knob control	
	Display mode	LED digital display	
	Display resolution	0.01V / 0.01A	
Protection & Monitoring functions	Output over voltage protection (OVP)	OVP value settable. Power supply automatically cuts off output and alarms when output exceeds over voltage value.	
	Output over current protection (OCP)	Power supply automatically cuts off output and alarms when the output has over current.	

	Over temperature protection (OTP)	Power supply automatically cuts off output and alarms when the internal temperature of the power supply exceeds 85 °C.
	Noise	≤55dB
	Protection degree	IP20
	Cooling method	Forced air cooling
Working conditions	Ambient temperature	0°C ~ 45°C
	Humidity	10% ~ 90%(non-condensing)
	Height	≤2000m
	Size (W*H*D) (mm)	434*132*500 (handle excluded)
	Weight	Approx. 20 ~ 25Kg