

DC Power Supply PSD3210



Advanced Features

- Floating DC supply voltage
- DC 0-32 V, 0 - 10 A, output power 320 W
- Constant voltage & constant current mode operation
- Digital display for voltage & current
- Adjustable current limiter with display
- Overload & short circuit protection
- Output ON/ OFF control
- Beeper ON/ OFF control

Technical Specifications (Reference Temperature 23 °C ± 5 °C)

DC Output	: Voltage: 0 - 32 V, Continuously variable by means of coarse & fine controls Current: 0-10 A (Max.)	Drift	: < ± (0.5% + 5 mA) within 8 hrs. warmup at constant line, load & ambient temperature condition
Setting Resolution	: Voltage: 10 mV Current: 5 mA	Temp. Coefficient	: ≤ ± (0.05% + 5 mV/°C)
Internal Resistance	: ≤ 10 mΩ	Current setability	: Adjustable between 0 A to 10 A
Transient Response	: 100 μsec to within 10 mV of set output voltage for load change from 10% to 90%.	Display	: 3 digit for voltage & 3 ½ digit for current
Constant Voltage Mode Regulation	: Line: ± (0.01% + 2 mV) for ± 10% change in line input : Load: ± (0.01% + 2 mV) for load change from zero to full load	Display Resolution	: Voltage: 100 mV Current: 10 mA
Ripple & Noise	: ≤ 1mV rms max., 20 Hz - 20 MHz.	Accuracy	: ± 3 D
Drift	: < ± (0.2% + 5 mV) within 8 hrs. Warm up at constant line, load & ambient temperature condition	Over load Indication	: By lighting 'CC' LED
Constant Current Mode Regulation	: Line: ± (0.1% + 250 μA) for ± 10% line change : Load: ± (0.1% + 250 μA) for change in output voltage from 0V to maximum output voltage	General Information	Built-in overheat, overload, high input voltage protection
		Insulation	: Between chassis & output > 10 MΩ at 100 VDC : Between chassis & AC plug > 50 MΩ at 500 VDC
		Power Supply	: 230 V ± 10%, 50 Hz
		Operating Conditions	: 0 - 40° C, 95% RH
		Dimension	: W 204, H 161, D 342 mm
		Weight	: 10.5 kgs. Approx.
		Accessories:	
		Standard: User Manual, Spare Fuse, Connecting Probes	(Subject to change)



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