

Ps305 DC Power Supply



Features

- 0~30V 0~5A regulable
- 3 digit LED display
- High as 80% power efficiency
- Full protection such as current-limit, short-circuit, over-heat, over-voltage.
- A secondary MOS linear circuit (with patent) ensuring a super voltage stability
- Small size as 3U high appropriately fit for work station or test equipment rack

Occasions and Applications

- Provide power source for factory maintenance, calibration positions
- Built in test equipment rack cabinet and supply power
- Power the DIY kits and circuits in our work bench
- A necessary tool for educational institute particularly for those involve electronics and tele-communication majorities.

For view more details log on to

www.algoelectronics.com

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PS305H

DC Power Supply

Technical Specifications

GENERAL INFORMATION	
Input:	110V/220V AC switchable
Output:	0~30V, 0~5A regulated
LED display	3 digit LED $\pm 0.5\% \pm 1$
Dimension:	226*82*138mm
Net Weight:	1.8kg
Working temperature:	0 ~ 40°C
Relative humidity:	$\leq 80\%$
VOLTAGE REGULATION	
Regulation rate:	$\leq 0.05\% + 3mV$
Load regulation rate:	$\leq 0.1\% + 3mV$ (Rated Current $\leq 3A$)
	$\leq 0.1\% + 5mV$ (Rated Current $> 3A$)
Ripple and noise:	$\leq 5mV_{rms}$ (5Hz ~ 1MHz)
CURRENT REGULATION	
Regulation rate:	$\leq 0.2\% + 3mA$
load regulation rate:	$\leq 0.2\% + 6mA$
Ripple and noise:	$\leq 10mArms$
Restore:	$\leq 300\mu s$ (with load of 50% regulation rate, 0.5A)
HIGH VOLTAGE	
Leak current:	$\leq 1mA$ (with input 1500VAC/1s to ground)
Insulant resistance:	$\geq 5M\Omega$ (with input 500VDC/5s to ground)
RESTORE CONDITIONS	
Temperature:	-10 ~ 70°C
Relative humidity:	$\leq 70\%$

Product Lineup

Regulated DC Power Supply, Power Module, GSM Alarm System, PIR motion sensor, Door Sensor

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