

Linear Regulated Power Supply

Linear regulated power supply: This is a 24/18/15/10/5 VDC linear regulated power supply and consists a step down transformer. The output voltage can be adjusted with preset, so any non standard output e.g. 12.3/24.4 etc are also possible to set very easily. The output is almost ripple free and can drive resistive and inductive loads. The power supply do not induce any noise. This power supply is ideal for encoders, controllers, sensors, Loadcell amplifiers, Embedded systems, proximity switches, photosensors etc. The output is having short circuit and thermal overload protection. This linear power supply is very cost effective.

Product Picture



Sr.	SMPS power supply	Linear power supply
1	Output Contains ripples	Ripples are almost absent
2	More components hence more chances of failure	Less components, so chance to fail is rare.
3	Complex design so very difficult to diagnose problems even for specialist	Simple design so even ITI /technician can easily repair this.
4	Failure of power supply may sometimes lead to damage of costly equipment connected on it.	In case of failure the o/p voltage is bridge voltage and that do not exceed o/p Volts+5%

- Technical Specifications Comparison between SM and Linear power supply

i) Regulated power with following load capacities

5.0VDC	10.0VDC	12.0VDC	15.0VDC	18.0VDC	24.0VDC
1000mA	500mA	400mA	350mA	275mA	225mA

ii) Input: 230 VAC, 50/60Hz

iii) Output has short circuit and thermal overload protection and adjustable with preset.

IV) Surge protection provision for transformer primary

v) DIN rail mountable

Applications:

- 1) Reference power supply
- 2) Auxiliary power supply in control panel
- 3) Encoder/Proximity switches/Photosensor/Loadcell amplifier power supply
- 4) Power supply for Q-Log Encoder splitters/Diff to single ended converters

NOTE:-1) Due to continuous product development the product supplied to you may look different than the product image in the pdf file.