

Features

- Super low noise DC voltage output
- Remarkable isolation
- High input regulation / extreme input noise rejection
- High load regulation / super low output impedance
- Extruded aluminum enclosure, anodized natural silver & black
- High glossy black or silver acrylic front and backplate
- Cooling by free air convection
- Gold plated and Swiss made 4 poles female XLR receptacle for DC output allows “Star-quad” wiring and flexible DC cable selection

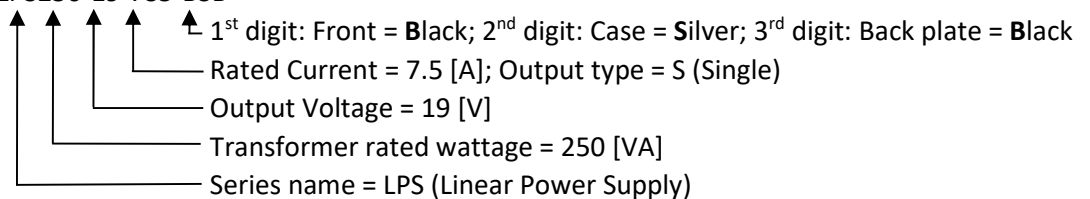
Applications (powering of)

- Audio components: streamer, DAC, phono, headphone amplifier, PC USB & LAN card
- IT equipment: mini-PC (Raspberry), router, switch, access point, NAS
- Test and measurement systems
- Anything requires very clean DC voltage source

Description

LPS250 fully linear high-power supplies are equipped with a 250VA impregnated toroidal core transformers that guarantee high isolation between primer and seconder windings thanks to the shielding windings. The RC snubber and Schottky diodes ensure clean rectification for the high reliability aluminum electrolytic capacitor bank. The unique push-pull transistor output stage is controlled by a low noise operational amplifier that works with minimal noise gain and from post filtered precision bandgap references. The perfect input noise rejection and very low output resistance relies on the bootstrapped voltage regulator architecture. On the bottom side of the improved FR4 printed circuits board (PCB) small surface mounted components (SMD) and on top side bigger through hole components (THD) are combined for optimal layout and minimal trace length.

Model encoding example: LPS250-19-7S5-BSB



SPECIFICATION

INPUT	Voltage range	220-240 VAC				
	Frequency	50/60 Hz				
	Fuse	3.15 AT, 20 x 5 mm				
	Connector	IEC C14 inlet				
OUTPUT	Part Number	LPS250-12-1250	LPS250-15-950	LPS250-19-755	LPS250-24-650	LPS250-XX-YSY custom version available!
	Nominal Voltage	12 V	15 V	19 V	24 V	
	Rated Current	12 A	9 A	7.5 A	6 A	
	Protection	Current foldback type overcurrent protection				
	Noise	<2 μ V typical @ bandwidth: 20 Hz to 20 kHz				
	Initial Accuracy	<1% typical, 2% max				
	Temperature coefficient	<1 mV/C°				
	Line regulation	<-100 dB(V/V) @ 1 kHz				
	Load regulation	<-40 dB(V/A) @ 1 kHz				
	Connector type	Neutrik NC4FAH 4 pole XLR female, gold plated contact				
	Connector pinout	(+) : Pin1 & Pin3; (-) : Pin2 & Pin4				
ENVIRONMENT	Working temperature	-10 C° to +40 C°				
	Working Humidity	20 to 90% RH, non-condensing				
OTHERS	Indicator	RGB LED, color and intensity adjustable in 3 steps by internal DIP switches				
	Working principle	Toroidal transformer, Schottky rectifier, bootstrapped series regulator				
	Dimension	170 x 103 x 226 mm [Width x Height x Depth] (with feet)				
	Weight	4.350 grams				

