

HPS124UL SWITCHING POWER SUPPLY

12VDC 4 Channel High Output Switching Power Supply

FEATURES

- 4 channel high output switching power supply
- 12VDC
- Intergal surge protection
- 1.35 Amp per channel
- 100V-240V operation can be used anywhere in the world (with appropriate UL or foreign CE power cord)
- On / off safety switch with LED
- Vented housing for cooler operation
- 3 conductor power cord included (US type)
- 4 individual PTC channel protection with led power indication
- Unique pre-drilled top mounting flange allows easy wall mounting without access to inside of the unit
- Overall dimensions: 9.275" X 8.125" X 3.75"
- Includes multi-lingual instruction sheet



HOW TO ORDER

- **HPS124UL**
12VDC 4 channel high output switching power supply

DESCRIPTION

The HPS124UL is a switching power supply intended primarily for video surveillance applications requiring power for up to four (4) cameras, though it can be used for any application requiring 12VDC up to the rated output current (amps). The four Class 2 rated outputs are filtered and electronically regulated, and feature PTC protection against short circuit and thermal overload.

A total available output current supply of 5.4 amps makes up to 1.35 amps available per channel, providing more than enough current for most cameras. Channels can be manually bridged via jumper wire (not supplied; use 14 AWG or larger wire) to provide higher output current supply to a device if required. Camera synchronization is maintained.

LEDs indicate status of the main power output and each individual channel.

A three-wire power cord is provided with strain relief. The HPS124UL cabinet is NEMA1 rated and constructed of heavy duty steel to provide robust protection to the power supply. A heavy duty piano type hinge is used to mount the door to the cabinet body. It can be secured with a cam lock (not supplied) via the front door knock-out. The unit can be mounted easily via a flange at the top of the cabinet without accessing the inside. Adequate knock-outs, mounting holes and ventilation are provided.

The HPS124UL is UL listed for Commercial CCTV Equipment (UL 2044), and CUL listed for CSA Standard C22.2 No. 1-98, Audio, Video and Similar Equipment.

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SPECIFICATIONS

- Input: 90 - 264 VAC, 47 - 63 Hz
- Output: 12VDC
 - 5.4 amps continuous supply current
 - Class II rated power limited
 - Filtered and electronically regulated
- Protections: Overload/ over protection / short circuit
- Load regul. $\pm 2.0\%$
- Ripple and noise: 100mVpp
- Efficiency: 79%
- Inrush current: cold start, 20A/115V, 40A/230V
- Input leakage current: $< 0.7\text{mA} / 240\text{VAC}$
- Line regulation (full load): $< \pm 1.0\%$
- Output voltage adjust range: 11.4V-13.2V
- Output over current protection: 110 ~ 130%
- Output voltage protection: 13.8~16.2V
- Withstand voltage: I/P-O/P: 3.0KVAC/1 min
I/P-F/G: 1.5KVAC/1 min
O/P-F/G: 0.5KVAC/1 min
- Rise time: 800ms, 200ms @ full load (typical)
- Hold up time: 60ms @ full load (typical)
- Operating temp & humidity: $-10^{\circ}\text{C} \sim \pm 60^{\circ}\text{C}$, 20%~90%RH (non-condensing)
- Storage temp & humidity: $-20^{\circ}\text{C} \sim \pm 85^{\circ}\text{C}$, 10%~90%RH (non-condensing)
- Safety standards: GB4943, UL60950, EN60950, UL60950-1
- EMC standards: GB9254, EN55022 Class B, EN55024
EN61000-3-2,3 EN6000-4-2,3,4,5,6,8,11
- Cooling method: Convection
- Approvals: CUL,UL,CE,CB,VDE
- Dimensions (enclosure): 13.5"H X 13"L X 3.25"D (343mm X 330mm X 83mm)
 - Top mounting flange in addition to interior mounting holes
- Weight: 8.6 lbs.(3.9 Kg)

ENCLOSURE DIMMENSIONS

