

Classic POWER SUPPLY

MODEL 24VDC-4A



FUNCTION

Lencore's Classic system uses a 24 Volt DC power supply to power the system. The power supply is connected to the system using a 2 conductor, plenum rated 18 gauge minimum cable. To install the power supply, mount the unit to the wall with angle brackets (included) and screws to fasten. Keep vents exposed. The power supply includes a standard 120VAC wall plug.

FEATURES

- + Universal AC input/full range
- + Built-in active PFC function, PF>0.95
- + Protections – short circuit/over load/over voltage/over temperature
- + Convection cooling
- + Fixed switching frequency at 100KHz

INPUT

- + Voltage Range – 88 ~ 264VAC
- + Frequency Range – 47 ~ 63Hz
- + Power Factor- >0.92

OUTPUT

- + DC Voltage – 24Vdc
- + Output Current – 4.2A
- + Output Power - 100W
- + Over Current Protection
(Reset by recycling AC power on/off)

DIMENSIONS

- + Dimension – w 7" x h 4" x d 2"
- + Weight- 1.3lbs.

PROTECTION

- + Overload
105 ~ 135% rated output power
Protection type – Hiccup mode, recovers automatically after fault condition is removed
- + Over Voltage
57.6 ~ 67.2V
Protection type – Shut down o/p voltage, re-power on to recover
- + Over Temperature
80°C ± 5°C (70 °C ± 5°C 3.3V 5V only)
Protection type – Shut down o/p voltage, recovers automatically after temperature goes down

PRODUCT SHEET & SPECIFICATIONS

SAFETY & EMC

- + EMC Emissions – Conforms to EN55022, VCCI, CISPR22 Class B (conducted & radiated); IEC- 61000-4-2, 61000-4-4, 61000-4-5, 61000-4-11 ESD Susceptibility- EN61000-4-2 (15kV/8kV)
- + Radiated Susceptibility- EN61000-4-3 (3Vm-1)
- + Fast Burst- EN61000-4-4 (2kV)
- + Surge- EN61000-4-5 (1kV/2kV)
- + Safety Approval- UL60950 (UL File No: E204980), TUV EN60950 (TUV:50058679)

ENVIRONMENT

- + Operating Temperature – -10° to 60°C
- + Operating Humidity – 20 to 90% RH non-condensing
- + Storage Temp. Humidity – -25 to 75°C, 10 to 95% RH, non-condensing
- + Vibration – 10 - 55Hz, 2G 1min./1cycle, 60min, each along X, Y, Z axes