

Power Supply 5 Volt LTIPS-5-4-U-1

This power cube has a universal input voltage range for world wide use. It has an detachable North American plug, but may be used worldwide by using an appropriate adapter plug. The unit will power up to the following product rack using an appropriate harness.

- MP5-P
- MP8-P2

GENERAL

A universal AC adapter with detachable AC cord and 5V DC output.

Input

Rated input voltage 100 V ~ 240 V ac
Input voltage range 90 V ~ 255 V ac
Rated frequency 50~60 Hz
Frequency range 47~63 Hz
Rated input current 800 mA RMS max.
Inrush current 30 A max. at 115 / 50 A max. at 230 V ac cool start
Power dissipation <0.5 W (input: 100 / 240 V ac, output: No Load)

Output

Output voltage 5 V dc at 4 A
Output min. current 0 A
Line regulation $\pm 1\%$
Load regulation $\pm 5\%$
Over voltage protection 6.46 ~ 7.14 V dc max. (output shut down)
Short circuit protection output shut down and auto restart
Ripple voltage 150 mV (p-p) (100~240 V ac at full load)
Efficiency Energy Star compliant - level IV

Safety and EMI

HI-POT input to output 1500 V ac or 2121 V dc at 10 mA for 1 min.
Insulation resistance input to output > 100 M Ohm at 500 V dc
Safety approvals UL/cUL, CE, GS
EMI standard meets FCC class B, VCCI-II
RoHS compliant yes
Leakage current 3.5 mA

Environmental

Storage temperature $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Operating temperature $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Storage humidity 10~90%
Operating humidity 20~80%

