

500 Watts Single Output 5"x3" Low Profile Open Frame Power Supply

FEATURES

- ◆ Global certifications in multi-fields : ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1
- ◆ 150% peak load @ 3 sec.
- ◆ No load power consumption < 0.5W
- ◆ Suitable for Class I or II installations
- ◆ Over voltage category III
- ◆ Extremely low leakage current, 2 x MOPP for BF application
- ◆ Operating altitude up to 5000M
- ◆ Built-in 12V/0.5A for external FAN
- ◆ -40~+85°C wide range operation temperature
- ◆ Built-in Remote sense
- ◆ 3 years warranty

SPECIFICATIONS

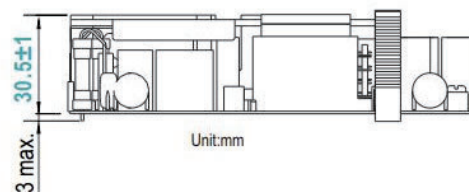
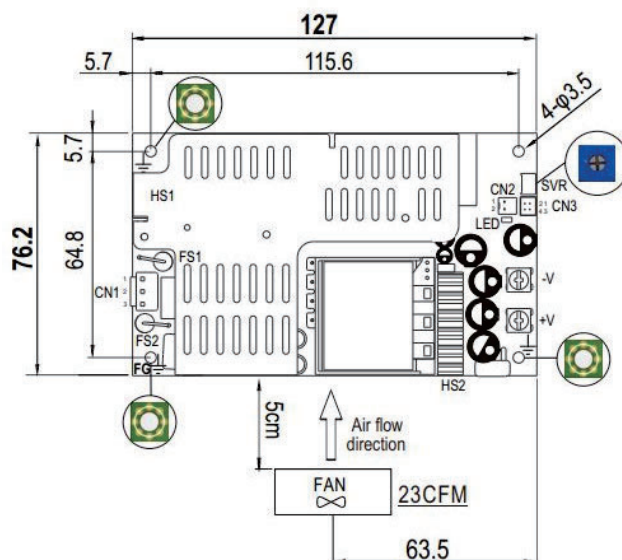
Input voltage.....80~264VAC; 113~370VDC
Frequency range.....47~63Hz
Inrush current (typ.).....Cold start, 40A at 115VAC; 80A at 230VAC
AC current (typ.).....5.2A at 115VAC; 2.9A at 230VAC
DC adjustment range.....± 5% rated output voltage
Line Regulation.....± 0.5%
Load Regulation.....± 1.0%
O.L.P.105~150% rated output power, hiccup after 3 sec.,
recovers automatically after fault condition is removed
O.V.P.shut down o/p voltage, re-power on to recover
O.T.P.shut down o/p voltage, re-power on to recover
or automatically after temperature goes down
Working temperature.....-40°C ~+80°C
Withstand Vol.....I/P-O/P:4KVAC,I/P-FG:2KVAC,O/P-FG:1.5KVAC
Safety standard....ANSI/AAMI ES60601-1,TUV EN/IEC60601-1,
UL/EN/IEC62368-1,EN/IEC60335-1,EN/IEC60558-1/-2-16
CCC GB4943.1, RCM AS/NZS61558-1/-2-16, EAC TPTC 004
EMC standard.....EN55011, EN55032 Class A and B, EN61000-3-2,-/3
EN61000-4-2,3,4,5,6,8,11, EN55014
MTBF.....230.7K hrs min. (MIL-HDBK-217F(25°C)
Dimension.....127x76.2x30.5mm (L*W*H)
Packing.....0.42Kg; 24pcs/12kg/1.02CUFT



Model Number		LOP-500-12	LOP-500-15	LOP-500-18	LOP-500-24
DC Output Voltage		12V	15V	18V	24V
Output Current	Peak(3 sec.)	62.5A	50A	41.7A	31.3A
	23 CFM Fan	41.6A	33.3A	27.8A	20.9A
	Convection	25A	20A	16.7A	13.4A
Rated Power	Peak(3 sec.)	750W	750W	750.6W	751.2W
	23 CFM Fan	499.2W	499.5W	500.4W	501.6W
	Convection	300W	300W	300.6W	321.6W
Ripple & Noise (max.)		120mVp-p	150mVp-p	180mVp-p	200mVp-p
Vol. Adj. Range (main o/p)		11.4~12.6V	14.3~15.8V	17.1~18.9V	22.8~25.2V

Model Number		LOP-500-27	LOP-500-36	LOP-500-48	LOP-500-54
DC Output Voltage		27V	36V	48V	54V
Output Current	Peak(3 sec.)	27.8A	20.8A	15.6A	13.9A
	23 CFM Fan	18.5A	13.9A	10.4A	9.3A
	Convection	11.9A	8.9A	6.7A	6A
Rated Power	Peak(3 sec.)	750.6W	748.8W	748.8W	750.6W
	23 CFM Fan	499.5W	500.4W	499.2W	502.2W
	Convection	321.3W	320.4W	321.6W	324W
Ripple & Noise (max.)		200mVp-p	250mVp-p	250mVp-p	250mVp-p
Vol. Adj. Range (main o/p)		25.6~28.4V	34.2~37.8V	45.6~50.4V	52.0~58.0V

MECHANICAL DRAWING (Unit: mm)



AC Input Connector (CN1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector

Assignment	Output Terminals
-V	M3.5 Pan HD screw in 2 positions
+V	Torque to 8 lbs-in(90cNm)max.