

LTE120FS SERIES

Open Frame Switching Mode Power Supply

L.T.E.

Main Features:

- 2.5"x 5" and 3"x5" footprint design
- Low profile mechanical design for height limitation environment
- Design for Industrial Application, Printer, Network System, and Storage System
- Output Power up to 120W



Technical Specification:

Input and Output Specification:

	S2	S3	SW	S4	SR	S6	S5
Input Voltage	90 – 264 Vac						
Frequency	50/60 Hz						
Input Current	@115Vac 2.0Arms ; @230Vac 1.0Arms						
Inrush Current	Cold start@115Vac <40 Ap-p ; @230Vac < 80 Ap-p						
Output Voltage	12V	15V	19V	24V	30V	36V	48V
Min. Load	0.0 A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Max Load	8.4A	8.0A	6.32A	5.0A	4.0A	3.33A	2.5A
Output Power	100W	120W	120W	120W	120W	120W	120W
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise (mVp-p)	120	150	190	240	300	360	480
Efficiency	>84%	>85%	>85%	>85%	>85%	>85%	>85%

Note 1: Load regulation is tested at 10% to 100% of rated load.

Note2 : Peak-to-peak for 100W(S2)120W(SX) convection rating @115Vac MIN.; Measurements with a 20MHz bandwidth and terminated with a 22uF electrolytic Cap. In parallel with a 0.1uF ceramic Cap.

General Specification

Turn-on Time (Full Load @115Vac): <3 Sec

Hold-up Time (Full Load @115Vac): > 16mSec

Safety Ground Leakage Current (Class I Type@230Vac 50Hz) : <3.5mA

Protection Specification:

Brown-Out Protection: Auto-Recovery

Over Voltage Protection: Latch Off (140%±30%)

Over Load protection: Hiccup/Auto-Recovery (Overcurrent Range@110%~200% Above Rating Load)

Short Circuit protection: Hiccup/Auto-Recovery

Environment Specification:

Operating Temperature: 0-50°C

Storage Temperature: -40 to 85 °C

Storage Humidity: 5% to 95% RH

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Safety and EMC Approval:

Safety/Model	S2	S3	SW	S4	SR	S6	S5
UL 60950-1	V	V	--	V	--	V	V
cUL 60950-1	V	V	--	V	--	V	V
CB Report(IEC60950-1)	V	--	--	V	--	V	V
TUV EN 60950-1	V	--	--	V	--	V	V
CE	V	V	V	V	V	V	V
FCC	V	V	V	V	V	V	V

Mechanical Specification:

Dimensions:

Type A: 2.55" x 5.00" x 0.9"

Type B: 3.0" x 5.0" x 0.9"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON 1 (INPUT)	Molex 0010634027 or Equivalent parts Mating Type=Molex 0009501031 or Equivalent	PIN 1 PIN 2 PIN 3	LINE N.C. NEUTRAL
CON2 (OUTPUT)	Molex 000965268 or Equivalent parts Mating Type= Molex 0009501061 or Equivalent	PIN 4~6 PIN 1~3	+V RETURN

Mechanical Drawing:

