

LTE120FS series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 3"x 5" footprint design
- Output Power up to 120W



Technical Specification:

Input and Output Specification:

	S2	S3	SW	S4	SR	S6	S5
Input Voltage	100-230 Vac						
Frequency	50/60Hz						
Output Voltage	12V	15V	19V	24V	30V	36V	48V
Min Load	0A	0A	0A	0A	0A	0A	0A
Max Load	8.4A	8A	6.32A	5A	4A	3.3A	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	560
Efficiency@115V;@230V	>84%	>85%	>85%	>85%	>85%	>85%	>85%

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

Note: 2.Peak-to-peak for 100W (S2) 120W (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

Hoid-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	Certified	Certified	N/A	Certified	N/A	Certified	Certified
cUL 60950-1	Certified	Certified	N/A	Certified	N/A <td Certified	Certified	
TUV EN 60950-1	Certified	TBD	N/A	Certified	N/A	Certified	Certified
CB Report (IEC 60950-1)	Certified	TBD	N/A	Certified	N/A	Certified	Certified
CE	Certified	TBD	N/A	Certified	N/A	Certified	Certified

Mechanical Specification:

Dimensions: 3"X5"X0.9"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON1 (INPUT)	Molex 0010634027 or Equivalent Parts Mating Type = Molex 0009501031 or Equivalent	PIN1	LINE
		PIN2	N.C.
		PIN3	NEUTRAL
CON2 (Output)	Molex 0009652068 or Equivalent Parts Mating Type = Molex 0009501061 or Equivalent	PIN4~PIN6	V+
		PIN1~PIN3	RETURN

Mechanical Drawing:

