

LTE100F SERIES

Open Frame Switching Power Supply

L.T.E.

Main Features:

- Standard 2"X4" footprint design with high density power output
- Design for Industrial Application, Printer Application, Network System, Telecommunication Application, and Storage System
- Output Power up to 100W
- With 48Vdc and 56Vdc Output suitable for POE Application



Technical Specification:

Input and Output Specification:

	S2	S3	SW	S4	S6	S5	S7
Input Voltage	90 – 264 Vac						
Frequency	50/60 Hz						
Input Current	@115Vac 1.5Arms ; @230Vac 0.7Arms						
Inrush Current	Cold start@115Vac <40 Ap-p ; @230Vac < 80 Ap-p						
Output Voltage	12V	15V	19V	24V	36V	48V	56V
Min. Load	0.0 A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Max Load	8.33A	6.66A	5.26A	4.16A	2.8A	2.08A	1.79A
Output Power	100W	100W	100W	100W	100W	100W	100W
Line Regulation	±1.0 %	±1.0 %	±1.0 %	±1.0 %	±1.0 %	±1.0 %	±1.0 %
Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise (mVp-p)	200	200	200	240	360	480	560
Efficiency	>85%	>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 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 (145%±25%)

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

LTE100F SERIES

Open Frame Switching Power Supply

L.T.E.

Safety and EMC Approval:

Safety/LTE100F-	S2	S3	SW	S4	S6	S5	S7
UL 60950-1	V	--	V	V	V	V	--
cUL 60950-1	V	--	V	V	V	V	--
CB Report(IEC60950-1)	V	--	V	V	V	V	--
TUV EN 60950-1	--	--	--	--	--	--	--
CE	V	V	V	V	V	V	V
FCC	V	V	V	V	V	V	V

Mechanical Specification:

Dimensions: 2.0" x 4.0" x 1.12" (W x L x H inch)

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CN 1 (INPUT)	Molex 0009652038 Equivalent parts	PIN 1	LINE
		PIN 2	NC
		PIN 3	NEUTRAL
CN2 (OUTPUT)	Molex 0009652048 or Equivalent parts	PIN 3~4	+V
		PIN 1~2	RETURN

Mechanical Drawing:

