

# LTE100F series

Open Frame Switching Mode Power Supply

## Main Features:

- Standard 2"x4" footprint design
- Output Power up to 100W



## Technical Specification:

### Input and Output Specification:

	S2	SW	S4	S6	S5
Input Voltage	100-240 Vac				
Frequency	50 / 60Hz				
Output Voltage	<b>12-15V</b>	<b>18-20V</b>	<b>22-26V</b>	<b>32-39V</b>	<b>48-56V</b>
Min Load	0A	0A	0A	0A	0A
Max Load	8.33-6.66A	5.55A-5.00A	4.54A-3.85A	3.12A-2.56A	2.08A-1.79A
Output Power	100W	100W	100W	100W	100W
Line Regulation	±1%	±1%	±1%	±1%	±1%
Load Regulation	±5%	±5%	±3%	±3%	±3%
Ripple & Noise (mVp-p)	240	240	240	360	480
Efficiency@115V;@230V	>83%; >85%	>83%; >85%	>85%; >87%	>85%; >87%	>85%; >87%

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

Note: 2.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):3Sec

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(145%±35%)

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	SW	S4	S6	S5
UL 60950-1	Certified	Certified	Certified	Certified	Certified
cUL 60950-1	Certified	Certified	Certified	Certified	Certified
TUV EN 60950-1	N/A	N/A	N/A	N/A	N/A
CB Report (IEC 60950-1)	Certified	Certified	Certified	Certified	Certified
FCC	Certified	Certified	Certified	Certified	Certified
CE	Certified	Certified	Certified	Certified	Certified

Mechanical Specification:

Dimensions: 2"X4"X1.26"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON1 (INPUT)	Molex 0009652038 or Equivalent Parts	PIN1	LINE
		PIN2	NEUTRAL
CON2 (Output)	Molex 0009652048 or Equivalent Parts	Pin 3 ~Pin4	+V
		Pin 1~Pin 2	RETURN

Mechanical Drawing:

