

LTE300FS series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 3"x 5" footprint design
- Output Power up to 300W



Technical Specification:

Input and Output Specification:

	S2	S4	SR	S5	S7
Input Voltage	100-230 Vac				
Frequency	50/60Hz				
Output Voltage	12V	24V	32V	48V	54V
Min Load	0A	0A	0A	0A	0A
Max Load	25A	12.5A	9.38A	6.25A	5.55A
Output Power	300W	300W	300W	300W	300W
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±5%	±5%	±5%	±5%	±5%
Ripple & Noise (mVp-p)	250	250	320	480	540
Efficiency@115V;@230V	>89%; >91%	>89%; >91%	>89%; >91%	>89%; >91%	>89%; >91%

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

Note: 2.Peak-to-peak for 200W (convection rating)@115Vac MIN.; Measurements with a 20MHz bandwidth and terminated with a 10Uf 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):10mSec

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

Protection Specification:

Brown-Out Protection: Auto-Recovery

Over Voltage Protection: Latch Off (110%~170%)

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	S4	S5	S7
UL 60950-1	N/A	N/A	N/A	N/A
cUL 60950-1	N/A	N/A	N/A	N/A
TUV EN 60950-1	N/A	N/A	N/A	N/A
CB Report (IEC 60950-1)	N/A	N/A	N/A	N/A
CE	N/A	N/A	N/A	N/A

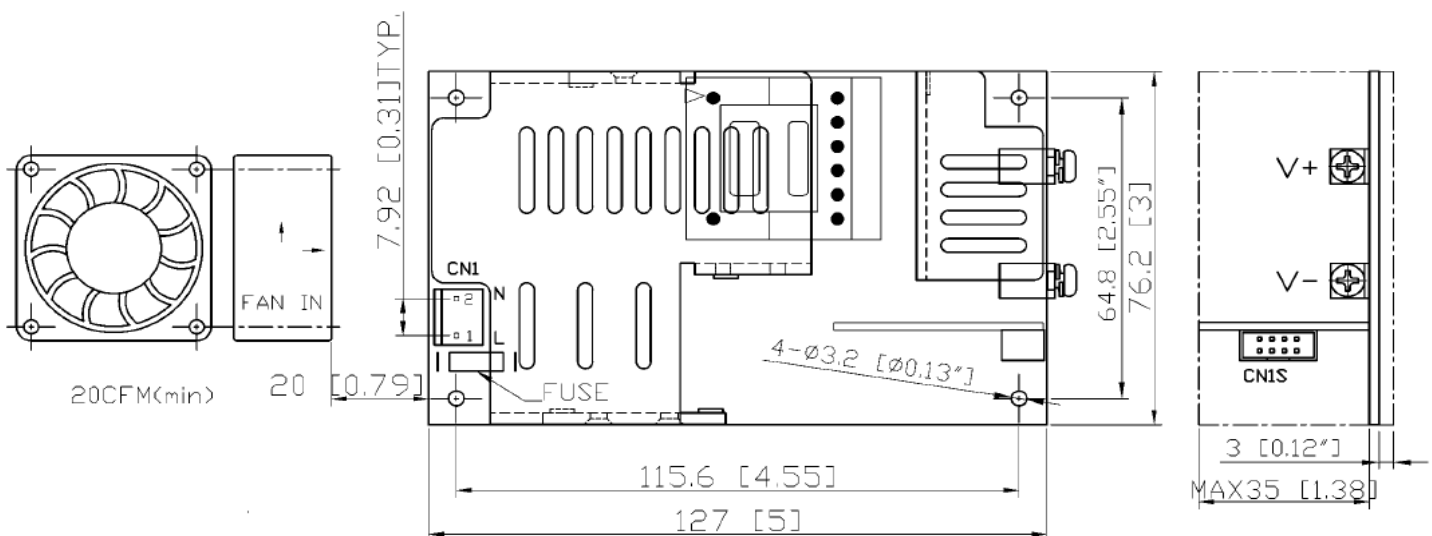
Mechanical Specification:

Dimensions: 3"X5"X1.38"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON1 (INPUT)	Molex#09-65-2038 or Equivalent; Mating Connector = Molex#09-52-4034 or Equivalent	PIN1	LINE
		PIN2	NEUTRAL
CON2/3 (Output)	Kang Yang PCB-12 PCB terminal with M3 screw or Equivalent.	+V0	OUTPUT
		-V0	RETURN
CN1S (Output)	Cherng Weei CHEB254R008-CF1043 or Equivalent	PIN1/2	GND
		PIN3	ENABLE
		PIN4	-Vsense
		PIN5	+Vsense
		PIN6	+12V (AUX Out)
		PIN7	GND
		PIN8	+5V (Stand by)

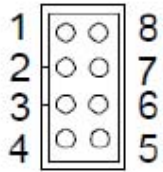
Mechanical Drawing:



TOLERANCE :mm±0.5/[inch]±0.02
UNIT :mm[inch]



CN1S:



PINCONNECTION			
PIN	FUNCTION	PIN	FUNCTION
1	GND	8	+5V
2	GND	7	GND
3	ENABLE	6	+12V
4	-Vsense	5	+Vsense

Note: Pull down Enable to activate PSU