

LTEF100 SERIES
100W Enclosed Power Supply for IT Equipment


- Universal AC input / Full range
- Built-in Active PFC Function, PF>0.95
- High Efficiency, and High Reliability
- Output Protections: OLP/OPP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test

3 Year Warranty

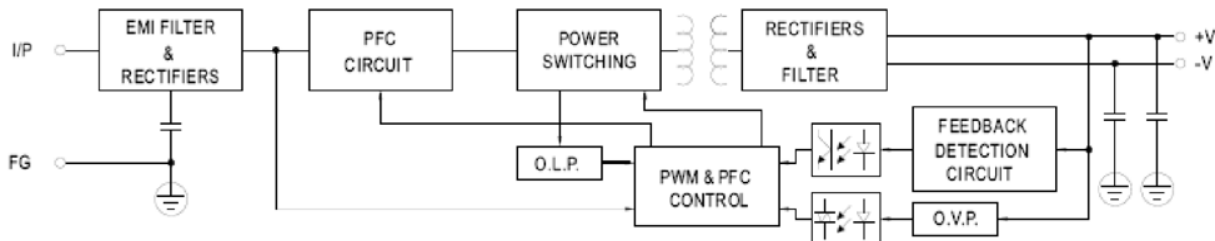
Approvals:

SPECIFICATION

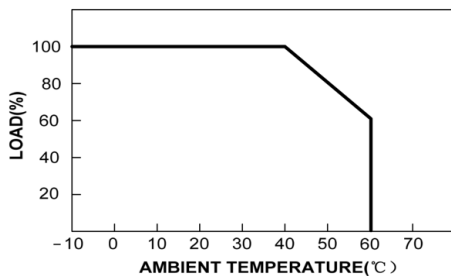
PRODUCT NUMBER		LTEF100-S050200	LTEF100-S120085	LTEF100-S150067	LTEF100-S240042	LTEF100-S360027	LTEF100-S480021	
OUTPUT	DC Output	5.0V	12V	15V	24V	36V	48V	
	Rated Current	20A	8.5A	6.7A	4.2A	2.75A	2.1A	
	Current Range	0~20A	0~8.5A	0~6.7A	0~4.2A	0~2.75A	0~2.1A	
	Ripple and Noise	0~60	<50mV	<100mV	<100mV	<100mV	<100mV	<100mV
		-10~0	<100mV	<100mV	<100mV	<100mV	<100mV	<100mV
	Note 2							
	Voltage ADJ. Range	4.5V~5.5V	10.6V~13.6V	13.5V~17.0V	21.8V~27.4V	32.6V~39.9V	44V~52V	
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	Set-up Time	<4.0S (115Vac input, Full load); <2.0S (230Vac input, Full load)						
	Hold up Time	>10mS(115Vac input, Full load);>20mS(230Vac input, Full load)						
	Temperature Coefficient	±0.03%/°C						
Overshoot and Undershoot	<5.0%							
INPUT	Voltage Range	90Vac~264Vac, 127~370VDC						
	Frequency Range	47Hz--63Hz						
	Power Factor(Typical)	>0.98@115VAC >0.95@230VAC						
	Efficiency (Typical)	115Vacinput	78%	84%	84%	84%	84%	86%
		230Vacinput	80%	86%	86%	86%	86%	87%
	AC Current (max.)	<1.7A						
	Inrush Current (Typical)	<30A@115Vac <50A@230Vac Cold start						
Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA							

PROTECTION	Over Load	100%~100% of rated output current, hiccup mode, auto recovery
	Over Voltage	110%~150% of rated output voltage, shut down
	Short Circuit	Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.	-10°C ~60; 20%~90%RH No condensing(refer to the derating curve)
	Storage Temp. & Hum.	-20°C ~85; 10%~95%RH No condensing
SAFETY & EMC (Note 3)	Safety Standards	UL60950-1; EN60950-1; 2006
	Withstand Voltage	Primary-Secondary:3.0KVac;≤10mA;Primary-PG:1.5KVac;≤10mA.Secondary-PG:0.5KVDC;≤10mA.
	Isolation Resistance	≥100M ohms
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB
	Harmonic Current	Compliance to EN61000-3-2,17625.1-2003
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level, criteria A
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)
	Dimension (L*W*H)	194×99×50mm
	Packing	10PCS/CTN, 8.1KGS, 0.04CBM
	Cooling method	Cooling by free air convection
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25 °C of ambient temperature. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives. MEPOS offer accessories for Din-35 rail bar. Please contact sales staff for details. 	

■ Block Diagram



■ Derating Curve



Mechanical Specification

Unit: mm

