

LTEF200G SERIES
200W Enclosed Power Supply for Industrial Equipment


- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- High Efficiency, and High Reliability
- Output protections: OLP/OPP/SCP
- Wide operating ambient temperature (-25°C~70°C)
- All using 105°C long life electrolytic capacitors.
- Built-in cooling fan speed control
- 100% full load burn-in test

3 Year Warranty

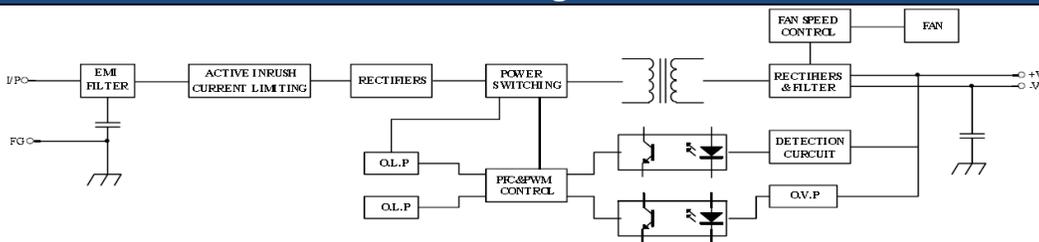
Approvals:

Specification

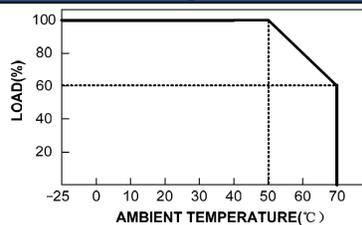
MODEL		LTEF200G-S050400	LTEF200G-S120120	LTEF200G-S240084	LTEF200G-S480042
OUTPUT	DC Output	5.0V	12V	24V	48V
	Rated Current	40A	16.7A	8.4A	4.2A
	Current Range (Note 1)	0~40A	0~16.7A	0~8.4A	0~4.2A
	Ripple and Noise (Note 2)	<150mV	<150mV	<200mV	<200mV
	Voltage ADJ. Range	-5%~+10% of rated output voltage			
	Voltage Accuracy	±1.0%			
	Line Regulation	±0.5%			
	Load Regulation	±1.0%			
	Set-up Time	≤2S (230Vac input, Full load)			
	Hold up Time	≥10mS (230Vac input, Full load)			
INPUT	Temperature Coefficient	±0.03%/°C			
	Overshoot and Undershoot	<5.0%			
	Voltage Range	85Vac~264Vac, 120Vdc~370Vdc			
	Frequency Range	47Hz~63Hz			
	Power Factor(Typical)	PF>0.98/115VAC PF>0.95/230VAC			
	Efficiency (Typical)	79%	84%	86%	87.5%
	AC Current (max.)	< 3.5A			
Inrush Current (Typical)	<50A@230Vac <30A@115Vac Cold start				
Leakage Current	Input—output:<0.25mA Input—PG:<1.0mA				

PROTECTION	Over Load	105%~150% of rated output current, Hiccup mode, auto recovery
	Over power	105%~150% of rated output power, hiccup mode, auto recovery
	Short Circuit	Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.	-25°C~70°C; 20%~90%RH No condensing(refer to the derating curve)
	Vibration	10 ~ 150Hz, 2G 10min./1cycle, period for60min. each along X,Y, Z axes
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH No condensing
SAFETY &EMC (Note 3)	Safety Standards	UL60950-1 2 nd Ed; IEC 60950-1:2005(2 nd Ed) ;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, Class B
	Harmonic Current	Compliance to EN61000-3-2, Class D
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25 æ, Full load)
	Dimension (L*W*H)	199×99×50mm
	Packing	12PCS/CTN, 11.4KGS, 0.04CBM
	Cooling method	Cooling by forced air (built-in DC fan)
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25 of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. 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.	

Block Diagram



Derating Curve



Mechanical Specification

