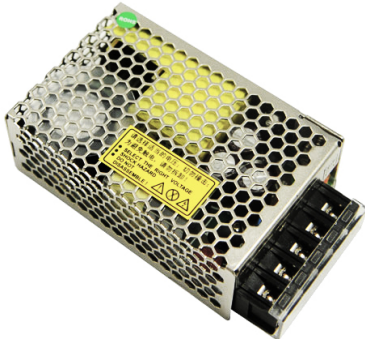


LTEA35 SERIES
35W Enclosed Power Supply for IT Equipment


- No Load power consumption<0.5W
- Universal AC input range
- Miniature size,high power density,high efficiency,long life and high reliability
- Withstand 300VA surge input for 5 sec.
- Output protections: OLP/OVP/SCP
- Wide operating ambient temp (-25°C~70°C), 100% @50°C, 60%@70°C
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- Easy assembling from top side
- PCB soldering side with conformal coating
- Suitable for critical applications

3 Year Warranty

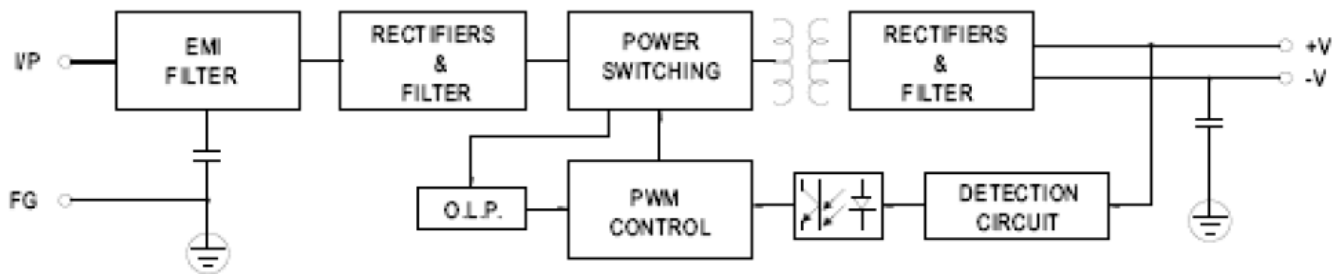
Approvals:

Electrical Specification

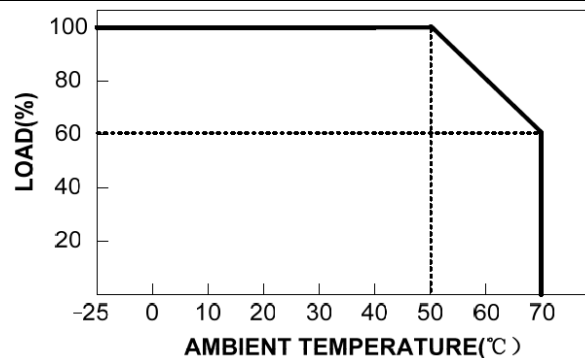
MODEL		LTEA35-S050060	LTEA35-S120030	LTEA35-S150023	LTEA35-S240015	LTEA35-S480007	
OUTPUT	DC Output	5V	12V	15V	24V	48V	
	Rated Current	6A	3A	2.3A	1.5A	0.75A	
	Current Range	0~6A	0~3A	0~2.3A	0~1.5A	0~0.75A	
	Ripple and Noise	0~70	<50mV	<80mV	<120mV	<120mV	<180 mV
		Note 2	<80mV	<180mV	<200mV	<200mV	<240mV
	Voltage ADJ. Range		-5%~+10% of rated output voltage				
	Voltage Accuracy		±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Set-up Time		< 1S (230Vac input, Full load);				
	Hold up Time		> 20mS(230Vac input, Full load); > 10mS(120Vac input, Full load)				
	Temperature Coefficient		±0.03%/				
	Overshoot and Undershoot		<5.0%				
INPUT	Voltage Range		90Vac~264Vac, 127~370Vdc				
	Frequency Range		47Hz~63Hz				
	Efficiency (Typical)	115Vac input	79%	83%	85%	86%	87%
		230Vac input	80%	84%	86%	87%	88%
	AC Current (max.)		<1A(max)				
	Inrush Current (Typical)		<50A@230Vac Cold start				
Leakage Current		Input—output:<3.5mA Input—PG:<0.25mA					

PROTECTION	Over Load	105%~150% of rated output current, constant power, auto recovery
	Over Voltage	105%~150% of rated output voltage, Constant Voltage
	Short Circuit	Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.	-25 ~70 ; 20%~90%RH No condensing (refer to the derating curve)
	Storage Temp. & Hum.	-40 ~85 ; 10%~95%RH No condensing
SAFETY & EMC Note 3	Safety Standards	UL60950-1 2nd Ed; IEC 60950-1:2005(2nd 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
	EMC Emission	Compliance to EN55022,EN55024 ClassB
	Harmonic Current	Compliance to EN61000-3-2,-3
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;EN55024,EN61000-6-2 heavy industry level
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25 , Full load)
	Dimension (L*W*H)	101.6×63.5×33mm
	Packing	60PCS/CTN, 15.18KGS, 0.06CBM
	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 of ambient temperature. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF 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 Specifications

