

- ▲constant voltage design
- ▲Input 220-240VAC
- ▲Protections: short circuit/over load/ over temperature
- ▲Class II , SELV, independent
- ▲IP20 Ingress protection
- ▲Power Factor ≥ 0.9
- ▲Efficiency $\geq 90\%$ @ full load, 240VAC
- ▲5 years warranty



SPECIFICATION

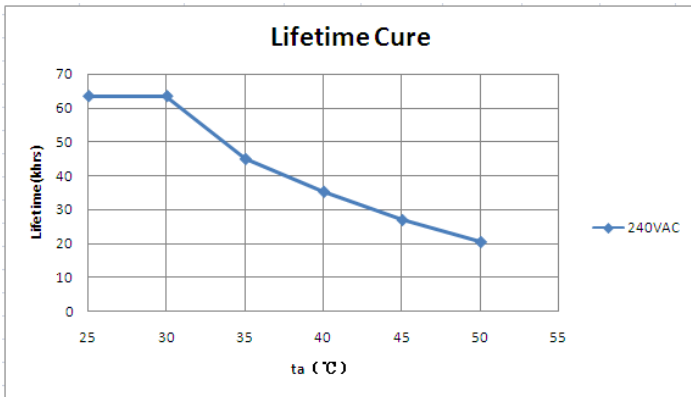
Input	Rated input voltage	220-240VAC	
	Range of input voltage	198-264VAC	
	Frequency(Hz)	50/60 Hz	
	Power Factor	≥ 0.9 @ 220-240VAC	
	Input Current	0.95A Max. @ full load, 198VAC	
	Unload Power Consumption	≤ 0.5 W	
	Inrush Current	90A MAX. @full load, 240VAC	
	Leakage Current	< 0.5 mA(240VAC)	
Output	Rated Voltage	12 \pm 1V DC	24 \pm 1V DC
	Current range	12.5A Max.	6.25A Max.
	Rated load	150W Max.	
	Voltage Accuracy	$\pm 5\%$ @220-240VAC	
	Voltage Regulation	$\pm 1\%$ @ full load	
	Load Regulation	$\pm 1\%$	
	Hold-up Time	≥ 5 ms/230VAC @ full load	≥ 5 ms/230VAC @ full load
	Ripple & Noise *Note.2	< 120 mVp-p	< 240 mVp-p
	Efficiency(Typ.)	$\geq 90\%$ @ full load, 240VAC	
Protection	Over Load Protection	105-150% rated output power Protection type: Auto recovery	
	Short circuit Protection	Protection type: Auto recovery	
	Over temperature Protection	Protection type : Auto recovery	
Environment	Operating Temperature	-20 $^{\circ}$ C...+40 $^{\circ}$ C	
	tc	90 $^{\circ}$ C	
	Storage Temp. Humidity	-20 ~ +60 $^{\circ}$ C, 10 ~ 95% RH	
	Temperature coefficient	$\pm 0.03\%$ / $^{\circ}$ C(0-40 $^{\circ}$ C)	
	Working Humidity	20-95% RH	
Vibration	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes		
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13	
	withstand voltage	Input-Output: 3750V/5mA/1min	
	Isolation resistance	Input-Output: ≥ 4 M Ω @500VDC	
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3	
EMS	EN 61547; EN 61000-4-2 —Performance Criteria B; EN 61000-4-5 —1000V; Performance Criteria C		
Others	Life time	$> 30,000$ h @ $t_a=40^{\circ}$ C, full load	
	Dimension (L*W*H)	254.5*44.5*32mm	
Note	1. All parameters NOT specially mentioned are measured at 240VAC input, max rated load and 25 $^{\circ}$ C of ambient temperature 2. Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.		

MECHANICAL SPECIFICATIONS

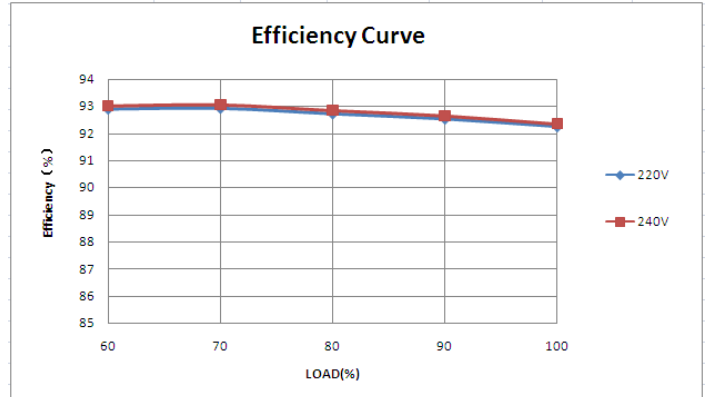


CURVE for LS-150-12 LI

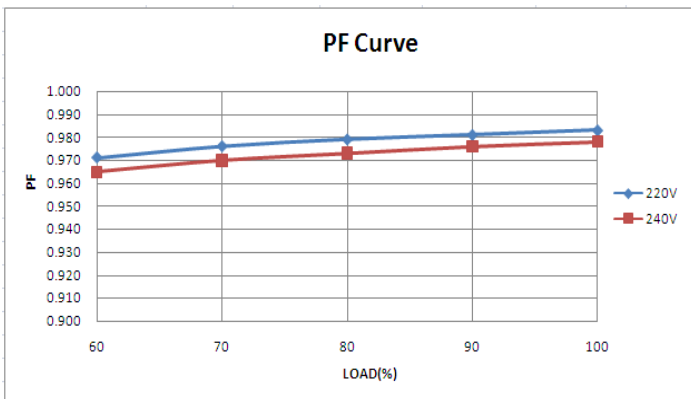
Lifetime vs. Ambient Temperature Curve



Efficiency vs. Load



Power Factor Characteristics



THD vs. Load

