

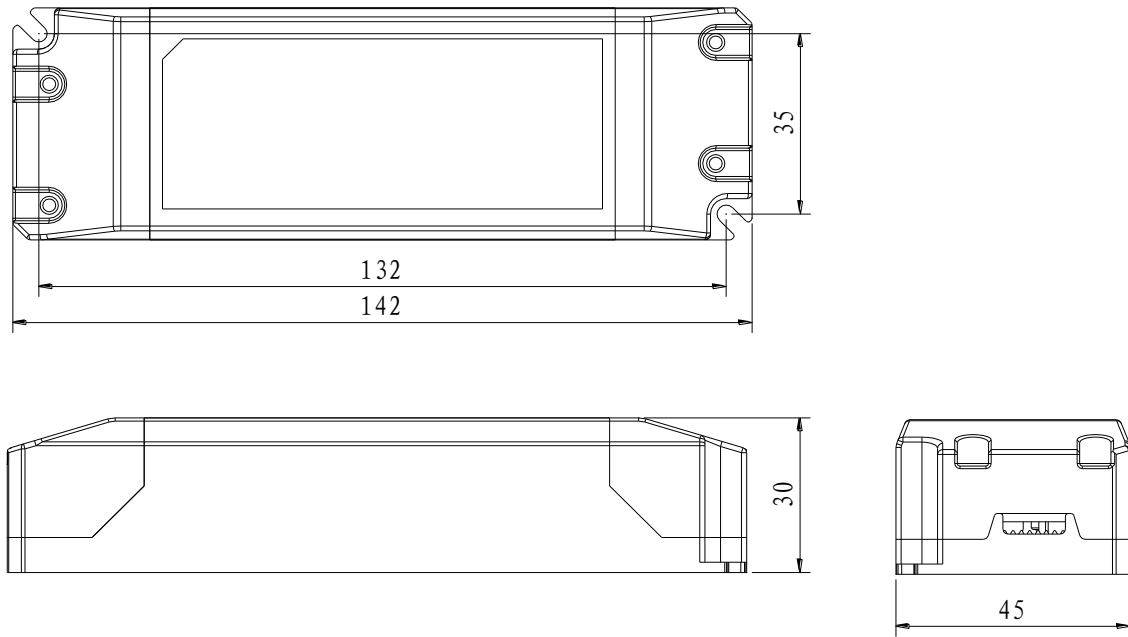
- ▲ constant voltage design
- ▲ Input 220-240VAC
- ▲ Protections: short circuit/over load/over voltage
- ▲ IP20 Ingress protection
- ▲ Flicker-free
- ▲ Class II, SELV, independent
- ▲ Power Factor PF $\geq$ 0.9
- ▲ Efficiency $\geq$ 87%
- ▲ 3 years warranty



## SPECIFICATION

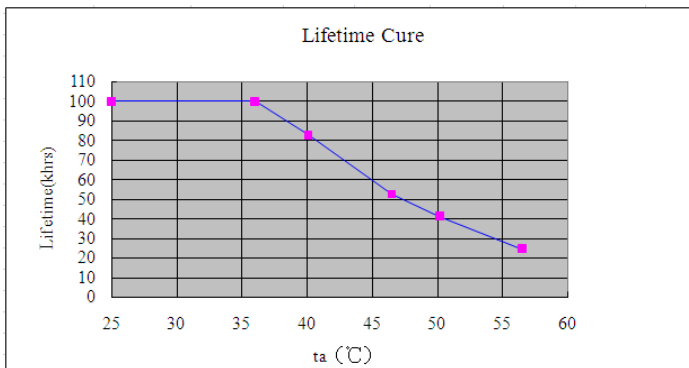
Input	Rated input voltage	220-240VAC	
	Range of input voltage	198-264VAC	
	Frequency(Hz)	50/60 Hz	
	Power Factor	$\geq$ 0.9 @220-240VAC	
	Input Current	0.24A MAX @Full Load,198VAC	
	Start-up time	<0.5S	
	Unload Power Consumption	$\leq$ 0.5W	
	Inrush Current	20A MAX @Full Load,240VAC	
	THD	$\leq$ 15% @Full Load,240VAC	
	Leakage Current	<0.5mA(240VAC)	
Output	Rated Voltage	12V DC	24V DC
	Current range	2.5A Max.	1.25A Max.
	Rated load	0-30W	0-30W
	Voltage Accuracy	$\pm$ 5% @220-240VAC	
	Voltage Regulation	$\pm$ 5%	
	Load Regulation	$\leq$ 5%	
	Hold-up Time	1s max. @Full Load	
	Ripple & Noise *Note.2	<240mVp-p	<480mVp-p
	Efficiency	$\geq$ 87%	
Protection	Over Load Protection	105-150% Protection type: Auto Resume	
	Over Voltage Protection	>12.6VDC	>25.2VDC Protection type: Auto Resume
	Short circuit Protection	Protection type: Auto Resume	
	Over temperature Protection	NA	
Environment	Operating Temperature	-10 $^{\circ}$ C...+45 $^{\circ}$ C	
	tc	80 $^{\circ}$ C	
	Storage Temperature	-20 $^{\circ}$ C...+60 $^{\circ}$ C	
	Humidity	20%-95%RH	
	Life time	>30,000h @45 $^{\circ}$ C	
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13	
	Withstand voltage	Input-Output: 3750V/5mA/1min	
	Isolation resistance	Input-Output: $\geq$ 4M $\Omega$ @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	Dimension (LXWXH)	142X45X30mm ((LXWXH)	
Note	<p>1. All parameters NOT specially mentioned are measured at 240VAC input, max rated load and 25<math>^{\circ}</math>C of ambient temperature</p> <p>2. Ripple &amp; Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF &amp; 47 uF parallel capacitor.</p>		

**MECHANICAL SPECIFICATIONS**



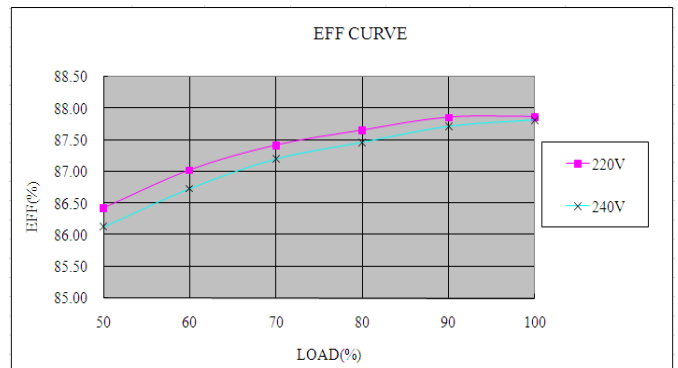
**Lifetime vs. Ambient Temperature Curve**

for LS-30-12 LI



**Efficiency vs. Load**

for LS-30-12 LI



**Power Factor Characteristics**

for LS-30-12 LI

