

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

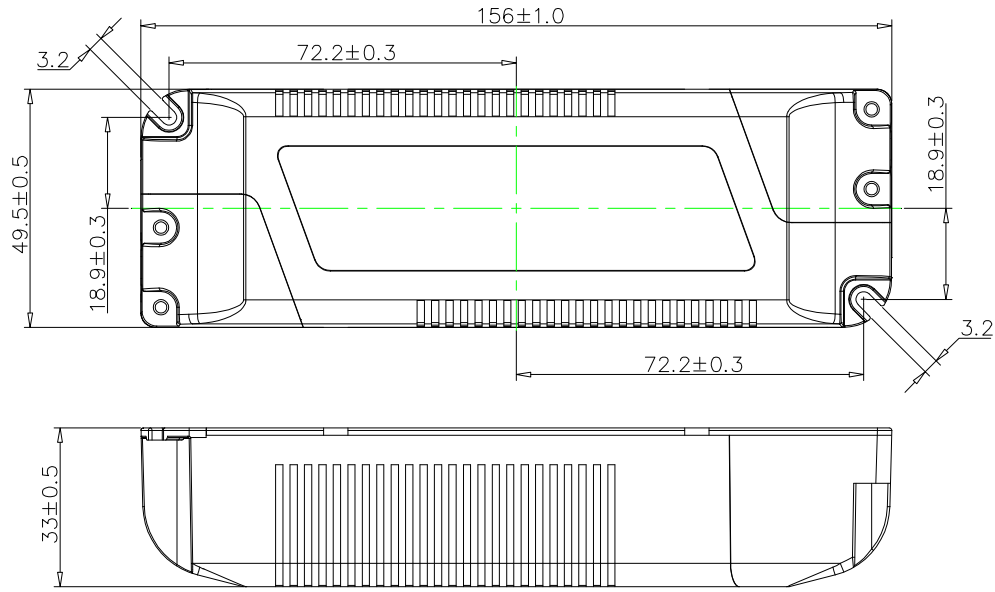


SELV    CE

SPECIFICATION

Input	Rated input voltage	220-240VAC				
	Range of input voltage	176-264VAC				
	Frequency(Hz)	50/60 Hz				
	Power Factor	$\geq 0.9@220-240VAC$				
	Input Current max	0.39A MAX. @Full Load,176VAC				
	Start-up time	<0.5S				
	Unload Power Consumption	$\leq 0.5W$				
	Inrush Current(peak/duration)	8.96 A Max/84 us. @ 240Vac input, 25°C cold start, 10%Ipk-10%Ipk.				
	THD	12% Typ. @ 240Vac, Full Load.				
	Leakage Current	<0.5mA(240VAC)				
Output	Constant Current Note.3	600mA	800mA	...	1000mA	1050mA
	Unload voltage Max.	94VDC	71VDC	...	58VDC	56VDC
	Voltage Range(VDC)	50.5-84.5VDC	37.5-62.5VDC	...	30-50VDC	28.5-48VDC
	Rated load	50.7W Max.	50W Max.	...	50W Max.	50.4W Max.
	Current Accuracy	$\pm 5\%$				
	Voltage Regulation	$\pm 3\%$ @Full Load				
	Load Regulation	$\leq 3\%$				
	Hold-up Time	1s max.@Full Load				
	Ripple& Noise Note.2	<36mAp-p	<48mAp-p	...	<60mAp-p	<63mAp-p
	Efficiency	$\geq 87\%$				
Protection	Over Load Protection	105-120% Protection type: Auto Resume				
	Over Voltage Protection	>94VDC	>71VDC	...	>58VDC	>56VDC
	Short circuit Protection	Protection type: Auto Resume				
	Over temperature Protection	Protection type: Auto Resume				
Environment	Operating Temperature	-10°C...+50°C				
	tc	85°C				
	Storage Temperature	-20°C...+60°C				
	Humidity	10%-90%RH				
	Life time	>30,000h @50°C				
Others	Dimension	156X49.5X33(LXWXH)mm				
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				
Note	<p>1.All parameters NOT specially mentioned are measured at 240VAC input , rated load and 25°C of ambient temperature.</p> <p>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.</p> <p>3.Output current can be from 600mA to 1050mA and increasing in multiples of 50mA. Please see Model list below and contact EAGLERISE for details.</p>					

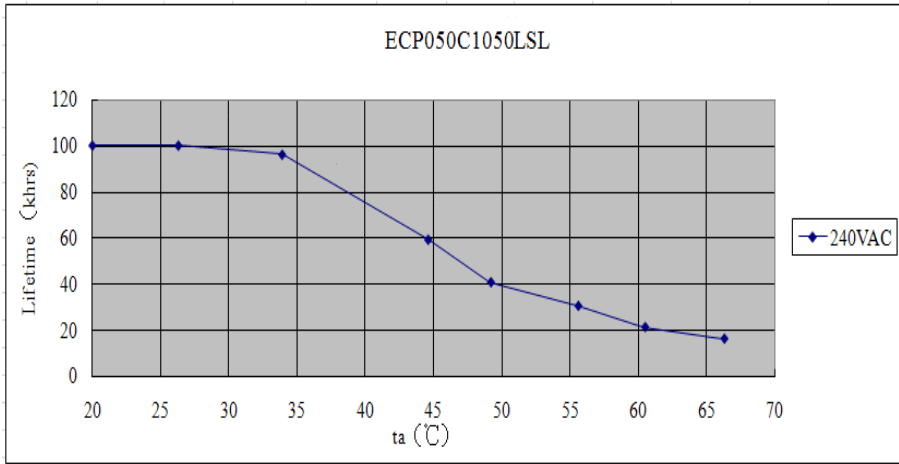
MECHANICAL SPECIFICATIONS



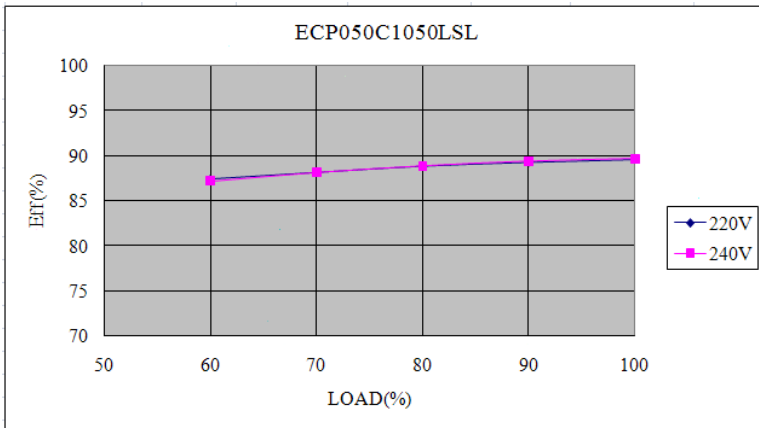
Model list

No.	Model number	Input			Output			Max.Prated(W)
		Voltage (VAC)	Max.Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
1	ECP050C0600LSL	220-240	0.39	50/60	600	50.5-84.5	94	50.7
2	ECP050C0650LSL	220-240	0.39	50/60	650	46-77	87	50.1
3	ECP050C0700LSL	220-240	0.39	50/60	700	42.5-71.5	80	50.1
4	ECP050C0750LSL	220-240	0.39	50/60	750	40-67	76	50.3
5	ECP050C0800LSL	220-240	0.39	50/60	800	37.5-62.5	71	50
6	ECP050C0850LSL	220-240	0.39	50/60	850	35-59	68	50.2
7	ECP050C0900LSL	220-240	0.39	50/60	900	33.5-56	63	50.4
8	ECP050C0950LSL	220-240	0.39	50/60	950	31.5-53	61	50.4
9	ECP050C1000LSL	220-240	0.39	50/60	1000	30-50	58	50
10	ECP050C1050LSL	220-240	0.39	50/60	1050	28.5-48	56	50.4

Lifetime vs. Ambient Temperature Curve



Efficiency vs. Load



Power Factor Characteristics

