

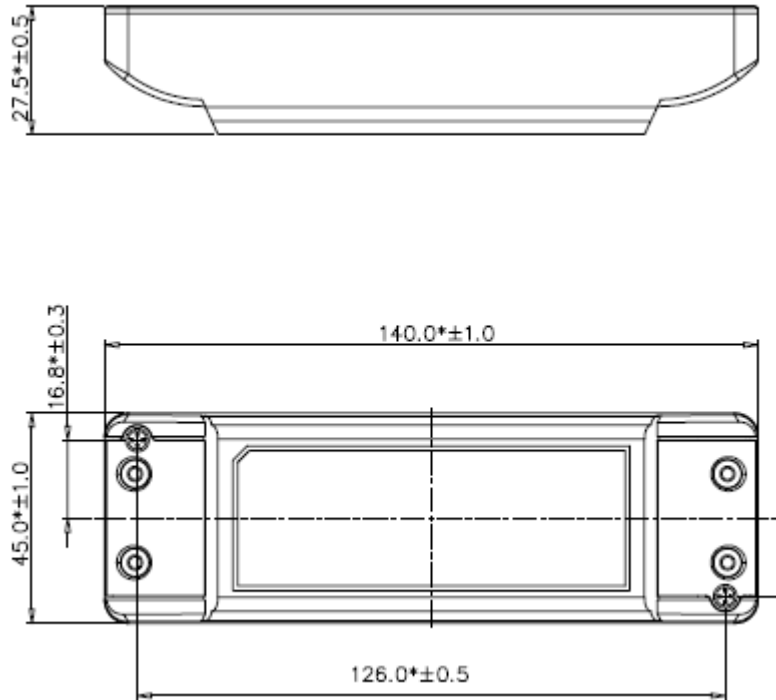
- ▲Input Voltage 220-240VAC
- ▲Protections: short circuit/over load/over voltage
- ▲IP20 Ingress protection
- ▲Power Factor  $\geq 0.9$
- ▲Efficiency  $\geq 86\%$
- ▲Class II, SELV, independent
- ▲Flicker-free design
- ▲5 years warranty



## 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	0.25A MAX					
	Start-up time	<0.5S					
	Unload Power Consumption	$\leq 0.5W$					
	Inrush Current(peak/duration)	7.32A Max/87.2 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	350mA	600mA	700mA	900mA	...	1050mA
	Unload voltage Max.	94VDC	58VDC	50VDC	39VDC	...	35VDC
	Voltage Range(VDC)	51.5-86VDC	30-50VDC	25.5-43VDC	19.5-33VDC	...	17-29VDC
	Rated load	30.1W Max.	30W Max.	30.1W Max.	29.7W Max.	...	30.5 W Max.
	Current Accuracy	$\pm 5\%$					
	Voltage Regulation	$\leq 3\%$ @Full Load					
	Load Regulation	$\leq 3\%$					
	Hold-up Time	1s max.@Full Load					
	Ripple& Noise Note.2	<21mAp-p	<36mAp-p	<42mAp-p	<54mAp-p	...	<63mAp-p
	Efficiency	$\geq 88\%$	$\geq 87\%$	$\geq 87\%$	$\geq 86\%$	...	$\geq 86\%$
Protection	Over Load Protection	103-120%					
		Protection type: Auto Resume					
	Over Voltage Protection	>94VDC	>58VDC	>50VDC	>39VDC	...	>35VDC
	Protection type: Auto Resume						
	Short circuit 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	140X45X27.5(LXWXH)mm					
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13; EN62493					
	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 &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> <p>3.Output current can be from 350mA to 1050mA and increasing in multiples of 50mA. Please see Model list below and contact EAGLERISE for details.</p>						

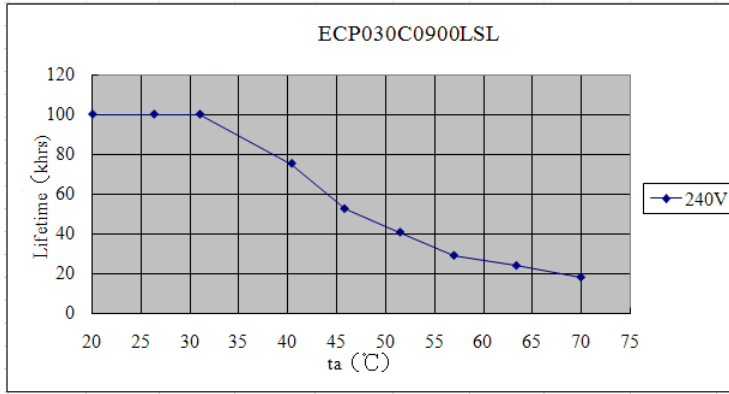
## MECHANICAL SPECIFICATIONS



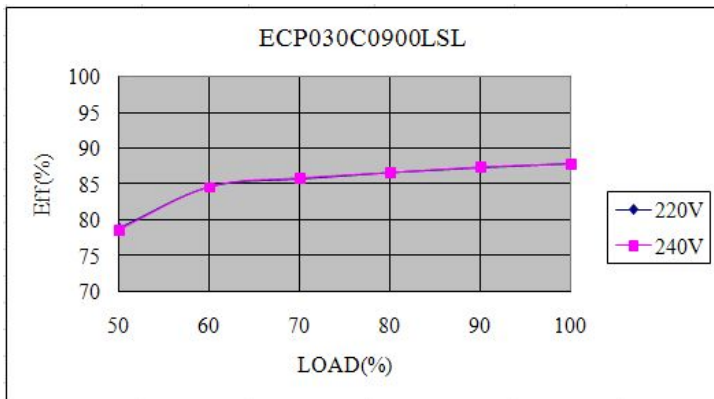
### Model list:

No.	Model number	Input			Output			
		Voltage(AC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	P <sub>rated</sub> (W)
1	ECP030C0350LSL	220-240	0.25	50/60	350	51.5-86	94	30.1
2	ECP030C0400LSL	220-240	0.25	50/60	400	45-75	80	30
3	ECP030C0450LSL	220-240	0.25	50/60	450	40-67	77	30.2
4	ECP030C0500LSL	220-240	0.25	50/60	500	36-60	70	30
5	ECP030C0550LSL	220-240	0.25	50/60	550	32-54	62	29.7
6	ECP030C0600LSL	220-240	0.25	50/60	600	30-50	58	30
7	ECP030C0650LSL	220-240	0.25	50/60	650	27.5-46	54	29.9
8	ECP030C0700LSL	220-240	0.25	50/60	700	25.5-43	50	30.1
9	ECP030C0750LSL	220-240	0.25	50/60	750	24-40	47	30
10	ECP030C0800LSL	220-240	0.25	50/60	800	22.5-38	45	30.4
11	ECP030C0850LSL	220-240	0.25	50/60	850	21-35	42	29.8
12	ECP030C0900LSL	220-240	0.25	50/60	900	19.5-33	39	29.7
13	ECP030C0950LSL	220-240	0.25	50/60	950	19-32	38	30.4
14	ECP030C1000LSL	220-240	0.25	50/60	1000	18-30	35	30
15	ECP030C1050LSL	220-240	0.25	50/60	1050	17-29	35	30.5

### Lifetime vs. Ambient Temperature Curve



### Efficiency vs. Load



### Power Factor Characteristics

