

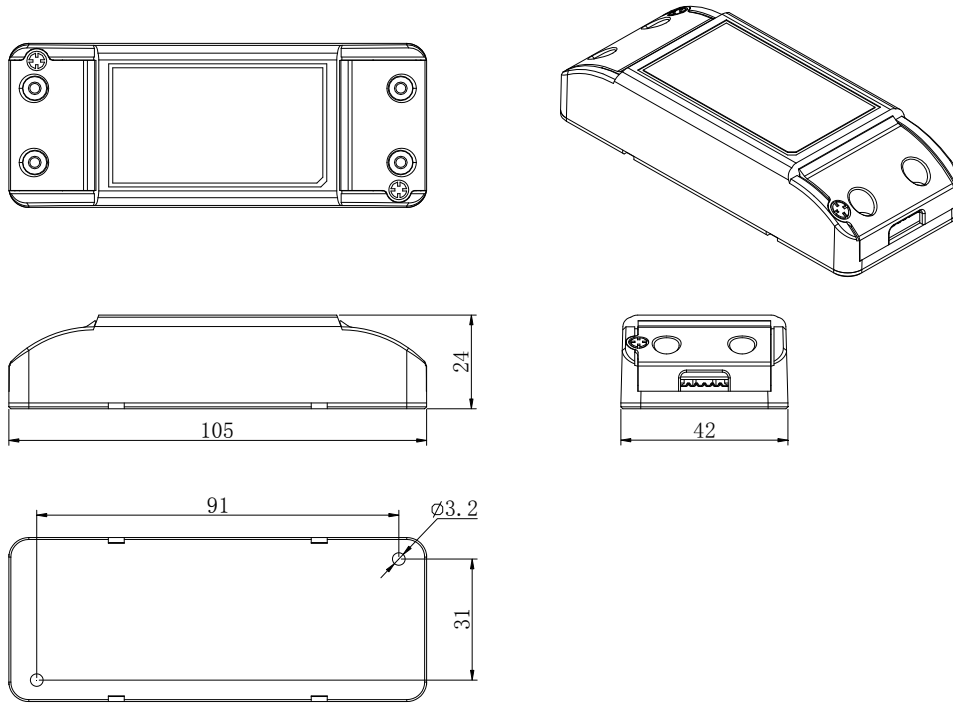
- ▲Input Voltage 220-240VAC
- ▲Protections: short circuit/over load/over voltage
- ▲IP20 Ingress protection
- ▲Power Factor ≥ 0.9
- ▲Efficiency $\geq 83\%$
- ▲Class II, SELV, independent
- ▲Flicker-free design
- ▲5 years warranty



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	0.14A MAX. @ 176Vac, Full Load.					
	Start-up time	<0.5S					
	Unload Power Consumption	$\leq 0.5W$					
	Inrush Current(peak/duration)	5.84A Max/96 us. @ 240Vac input, 25°C cold start, 10%Ipk-10%Ipk.					
	THD	10% Typ. @ 240Vac, Full Load.					
	Leakage Current	<0.5mA(240VAC)					
Output	Constant Current Note.3	200mA	300mA	350mA	500mA	...	700mA
	Unload voltage Max.	92VDC	64VDC	54VDC	38VDC	...	31VDC
	Voltage Range(VDC)	48-80VDC	32-54VDC	30-46VDC	19-32VDC	...	14-23VDC
	Rated load	16W Max.	16.2W Max.	16.1W Max.	16W Max.	...	16.1 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	<20mAp-p	<30mAp-p	<35mAp-p	<50mAp-p	...	<70mAp-p
	Efficiency	$\geq 86\%$	$\geq 84\%$	$\geq 84\%$	$\geq 83\%$...	$\geq 83\%$
Protection	Over Load Protection	105-120%					
		Protection type: Auto Resume					
	Over Voltage Protection	>92VDC	>64VDC	>54VDC	>38VDC	...	>31VDC
	Protection type: Auto Resume						
	Short circuit Protection	Protection type: Auto Resume					
Environment	Operating Temperature	-10°C ... +50°C					
	tc	80°C					
	Storage Temperature	-20°C ... +60°C					
	Humidity	10%-90%RH					
	Life time	>30,000h @50°C					
Others	Dimension	105X42X24(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 & 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 200mA to 700mA and increasing in multiples of 50mA. Please see Model list below and contact EAGLERISE for details.</p>						

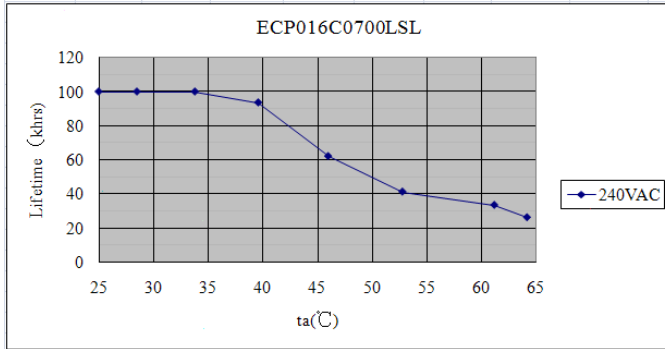
MECHANICAL SPECIFICATIONS



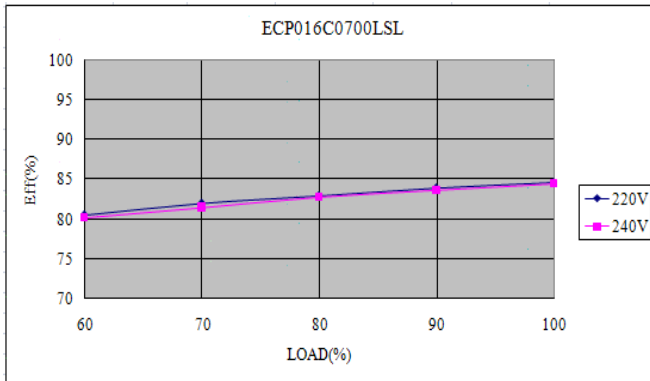
Model list:

Model number	Input			Output			Prated (W)
	Voltage (VAC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
ECP016C0200LSL	220-240	0.14	50/60	200	48-80	92	16
ECP016C0250LSL	220-240	0.14	50/60	250	38-64	76	16
ECP016C0300LSL	220-240	0.14	50/60	300	32-54	64	16.2
ECP016C0350LSL	220-240	0.14	50/60	350	30-46	54	16.1
ECP016C0400LSL	220-240	0.14	50/60	400	24-40	48	16
ECP016C0450LSL	220-240	0.14	50/60	450	21-36	42	16.2
ECP016C0500LSL	220-240	0.14	50/60	500	19-32	38	16
ECP016C0550LSL	220-240	0.14	50/60	550	17-29	35	16
ECP016C0600LSL	220-240	0.14	50/60	600	16-27	32	16.2
ECP016C0650LSL	220-240	0.14	50/60	650	15-25	32	16.3
ECP016C0700LSL	220-240	0.14	50/60	700	14-23	31	16.1

Lifetime vs. Ambient Temperature Curve



Efficiency vs. Load



Power Factor Characteristics

