

6W LED Driver Constant Voltage

EBP006VXXXXSSS



■ Approve

SELV CE



■ Features

- Class II, SELV, built-in
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor 0.5
- Efficiency $\geq 75\%$
- 5 years warranty

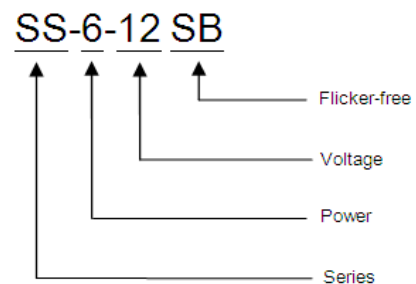
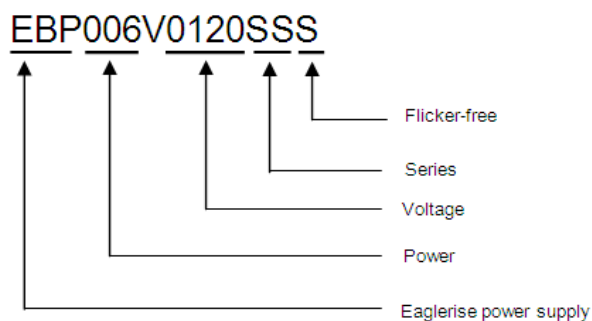
■ Applications

- LED strips
- Pendant light

■ Description

EBP006V0120SSS (SS-6-XX SB) is a 6W constant voltage LED driver that operates from 176-264Vac input with 12V or 24V output voltage. With it's compact dimensions from 52 x 43.5 x 21.5mm it is easy to integrate in LED strips and pendant light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

■ Model code



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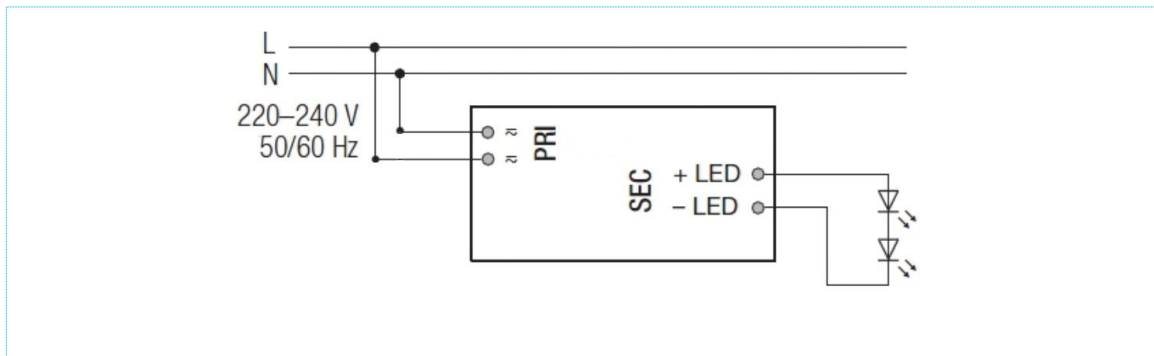
■Specification

Input	Rated input voltage	220-240VAC	
	Range of input voltage	176-264VAC	
	Frequency(Hz)	50/60 Hz	
	Power Factor	≥0.5@220-240VAC	
	Input Current max	0.075A MAX. @Full Load,176VAC	
	Start-up time	< 0.5S	
	Unload Power Consumption	≤0.3W	
	Inrush Current	15A Max.	
	Leakage Current	< 0.5mA(240VAC)	
Output	Constant Voltage	12VDC	24VDC
	Current Range	0-0.5A	0-0.25A
	Rated power	6W Max.	
	Voltage Accuracy	±4%	
	Voltage Regulation	±3% @Full Load	
	Load Regulation	±2%	
	Hold-up Time	1s max.@Full Load	
	Ripple& Noise *Note.2	≤1.2V@Full Load,240VAC	≤2.4V@Full Load,240VAC
	Efficiency(Typ.)	≥78%	≥75%
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°C...+45°C	
	tc	80°C	
	Storage Temperature	-20°C...+60°C	
	Life time	> 30,000h@45°C	
	Temperature coefficient	±0.03%/°C(0-45°C)	
	Humidity	10%-90%RH	
Others	Dimension	52X43.5X21.5(LXWXH)mm	
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13	
	Withstand voltage	Input-Output : 3750V/5mA/1min	
	Isolation resistance	Input-Output : ≥4MΩ@500VDC	
	EMI	EN55015; EN61000-3-2 Class A; EN61000-3-3	
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —500V;	
Note	1.All parameters NOT specially mentioned are measured at 240VAC input , full load and 25°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.		

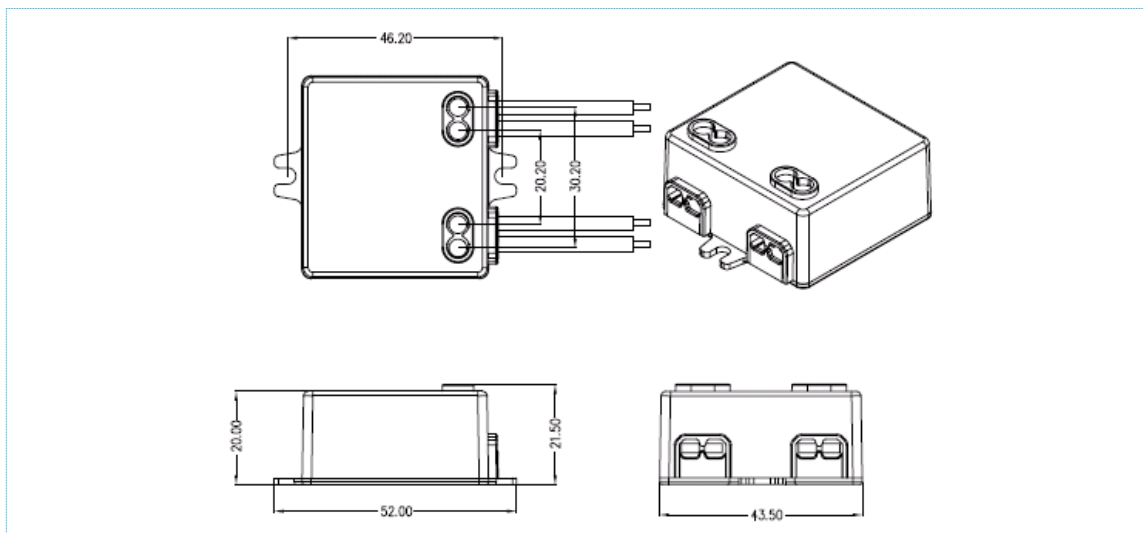
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■Connection diagram



■2D diagram



■Operating window

