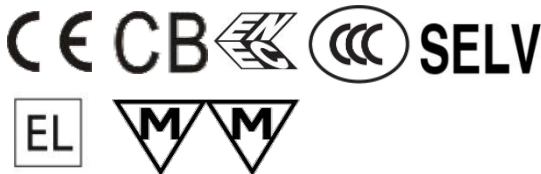


100W constant Voltage-LS Series



■ Approve

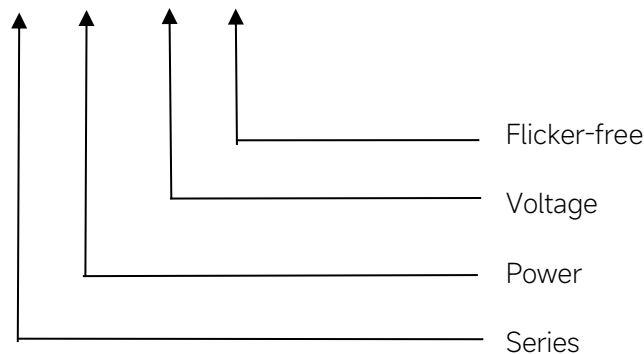


◆ Description

US-100-XX LI EXC is a 100W constant voltage LED driver that operates from 198-264Vac input with 12V or 24V output voltage. With it's compact dimensions from 353 X 30 X18mm. It is easy to integrate in LED strips products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

◆ Model code

US-100-XX LI EXC



Features

- For luminaries of protection Class II, SELV, Independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP/OTP
- Power Factor: ≥ 0.95 (Typ.)
- Efficiency: $\geq 90\%$ (Typ.)
- 5 years warranty

Applications

- LED strips

◆ Specification

Output	Constant Voltage	12VDC	24VDC	48VDC
	Current Range	0-8.33A	0-4.17A	0-2.08A
	Voltage Accuracy	±5%		
	Output HF current ripple(≥1KHz)	±5%		
	Output LF current ripple(≤120Hz)	±5%		
	SVM	≤0.4		
	Pst	≤1		
	Efficiency(Typ.)	≥90%@12V,Full load,230V;≥91%@24V/48V,Full load,230V		
Input	Rated input voltage	220-240V		
	Range of input voltage	198-264VAC		
	Maximum voltage	300VAC@1 h maximum,unit might not operate in this abnormal condition		
	Range of input voltage(VDC)	176-280VDC		
	Frequency(Hz)	0/50/60 Hz		
	Displacement factor	≥0.9		
	Power Factor	≥0.95@Full load,230V		
	Input Current max	0.6A		
	Start-up time	< 0.5S		
	No Load Power	≤0.5W		
	THD (Typ.)	< 10%@Full load,230V		
Protection	Over Load Protection	105-150%		
		YES/Auto Resume		
	Short circuit Protection	YES/Auto Resume		
capability	Over Temperature Protection	YES/Auto Resume		
	Surge capability (L-N)	1KV		
Environment	Surge capability (L/N-Ground)	NA		
	Operating Temperature	-20°C~+45°C		
	Humidity	20%-90%RH		
	Tc	90°C		
	Storage Temperature	-20°C~+60°C		
	Life time	> 50000h@Tc=85°C		
Surface	Ripple & Noise	≤20dB(A)@10cm		
	Dimension	353X30X18(LXWXH)mm		
Standards	material	PC		
	Safety	GB19510. 1, GB19510. 14;IEC61347- 1, IEC61347-2- 13;EN61347- 1, EN61347-2- 13;EN62384;		
Standards	EMC	GB/T17743, GB17625. 1;EN55015, EN61000-3-2, EN61000-3-3, EN61547;EN61000-4-5;EN61000-4-2,3,4,5,6,8,11, EN61547		