

Datasheet

YSL12F SERIES 12W

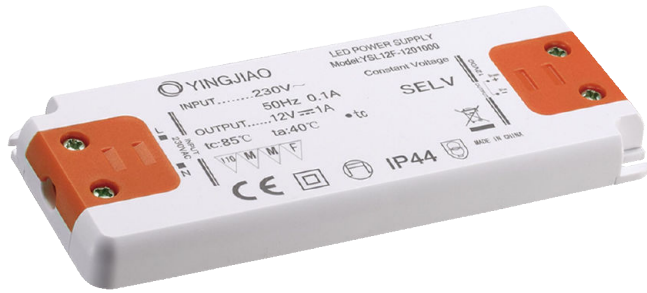
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YSL12F-12W SERIES



Input: 220-240V 50/60Hz
Output Voltage: 12V,24V
Rated Power: 12W max

Features

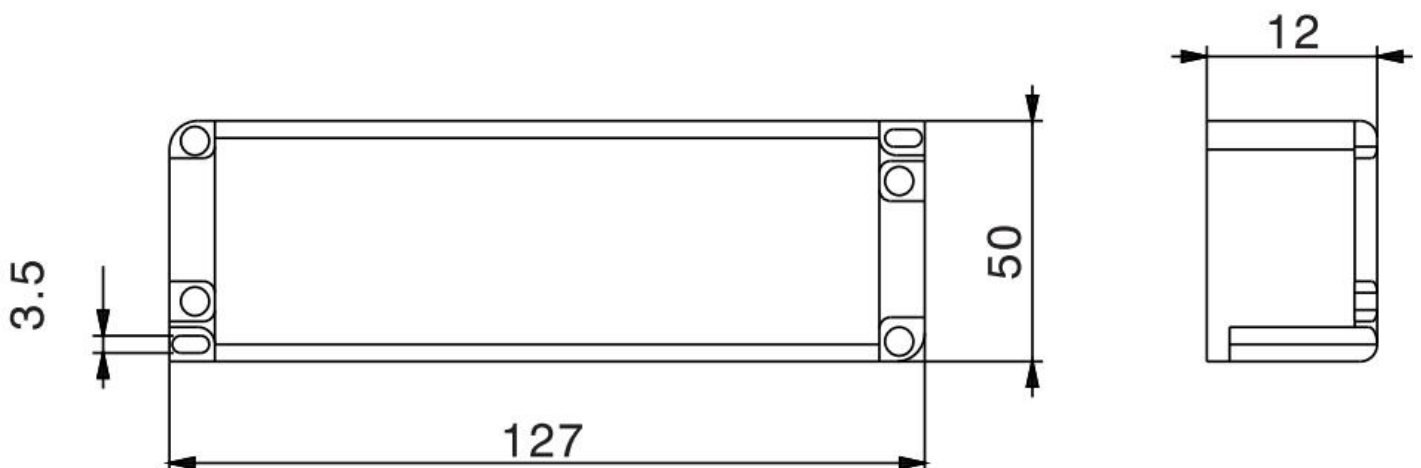
- Independent Ultrathin Power Supply
- flicker-free Design
- Terminal block for Quick Connection
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- ERP :EU2019/2020



Application

- LED strips
- LED indoor lighting
- LED decorative lighting
- LED building lighting

■ Dimensions and Installation



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MODEL DETAIL SPEC.		YSL12F-1201000	YSL12F-2400500
INPUT	Input Voltage:	220-240VAC	
	Range of Input Voltage:	198-264VAC	
	Input Frequency:	50/60Hz	
	Input Current:	0.1A _{MAX@Full Load}	0.2A _{MAX@Full Load}
	Inrush Current:	< 65 Amps at 230VAC/50Hz@full load	
	Leakage Current:	< 0.25mA/240VAC	
	THD (Full load):	< 20%	
	Unload Power Consumption:	< 0.5W	
	Efficiency:	85%	
	Power Factor:	≥0.7@Full Load 220-240VAC	
OUTPUT	DC Voltage:	12V	24V
	Rated Current(Max):	1A	0.5A
	Rated Power(Max):	12W	12W
	Voltage Tolerance:	±5%	
	Ripple and Noise:	400mVp-p	400mVp-p
	Line Regulation:	±3%	
	Load Regulation:	±5%	
	Setup, Rise, Hold Up Time:	1s, 10ms/60ms 230VAC @ full load	
ENVIRONMENTAL	Operating Temperature Ta:	-20 °C ~ +45°C	
	Storage Temp:	-40°C ~ +85°C	
	Maximum Case Temperature Tc:	+85°C	
	Humidity:	20 ~ 95% RH	
	Lifetime:	>30000hours@ta 40°C	
PROTECTION	Over Load:	Yes , Protection type: Auto Restore Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Voltage:	Yes , Protection type: Auto Restore Protection type: Shut down o/p voltage, re-power on to recover	
	Short Circuit:	Yes , Protection type: Auto Restore	
	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015+A1:2021;EN62493:2015	
SAFETY & EMC	Withstand Voltage:	I/P-O/P:3750VAC	
	Harmonic:	EN61000-3-2 Class C EN61000-3-3	
	EMI:	Compliance to EN55015	
	EMS:	Compliance to EN61547:2009	
	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient	
OTHER	Case Material and Size:	Plastic	
	IP grade:	IP20	
	Size:	127*50*12mm	
	Weight:	50g / pcs	
	Packaging:	100PCS/CTN,36*28.5*25cm	

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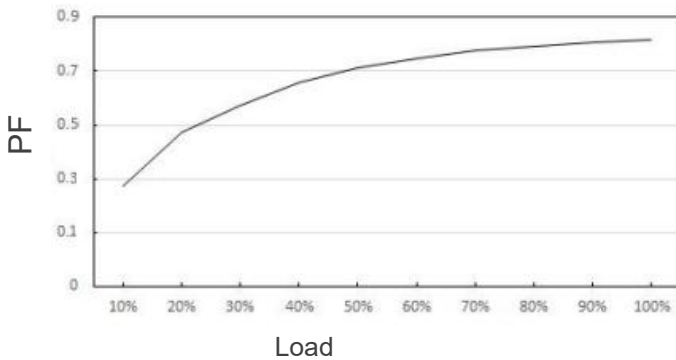
Deduction Curve and Temperature



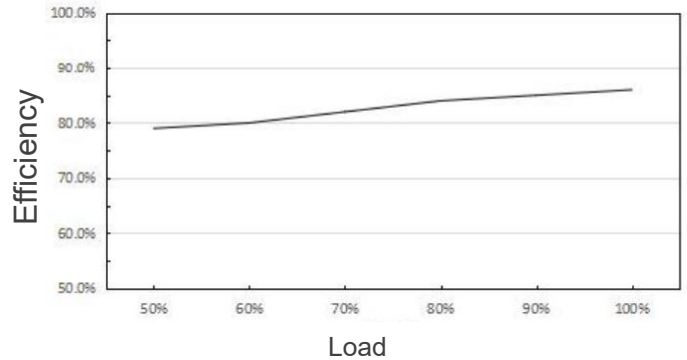
Minus Output and Input Voltage Curves



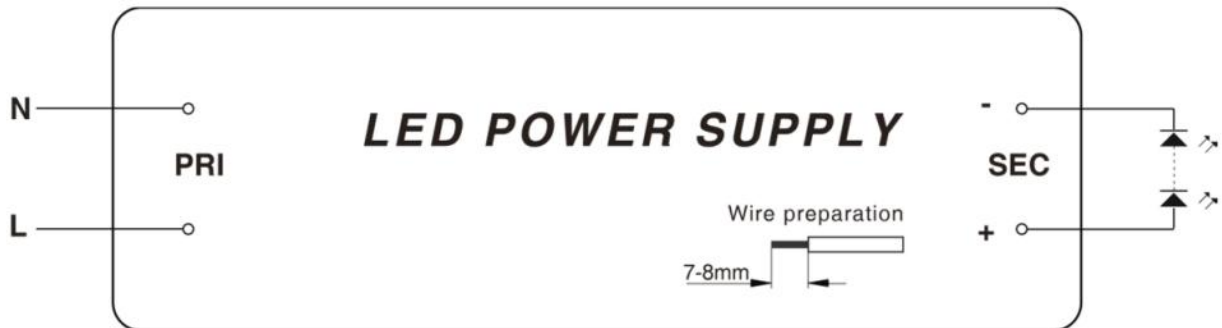
Power Factor (PF) Curves



Efficiency Vs Load



Wiring Diagram



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