

Datasheet

YSL20F SERIES 20W

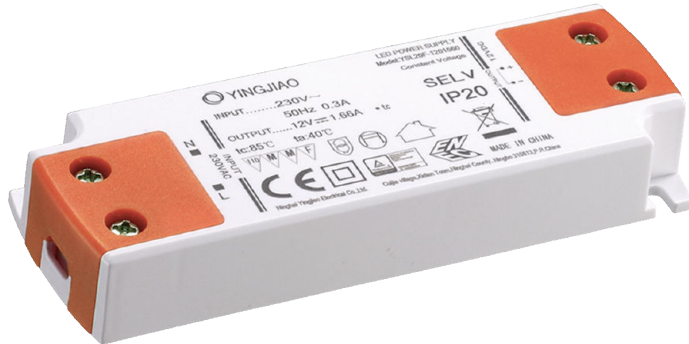
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YSL20F-20W SERIES



Input: 220-240V 50/60Hz
Output Voltage: 12V,24V
Rated Power: 20W

Features

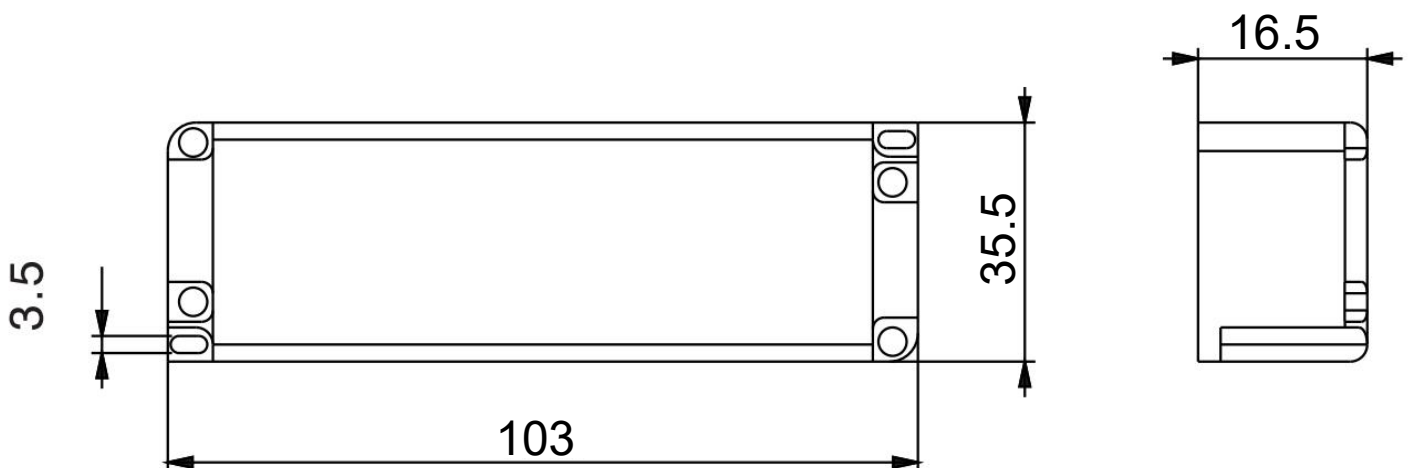
- Super compact Power Supply
- flicker-free Design
- Terminal block for Quick Connection
- Protections: Over Voltage, Overload, Short Circuit,
- Class II Protection Design
- ERP: EU2019/2020
- RoHS Compliance
- 100% full load burn-in test



Application

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

■ Dimensions and Installation

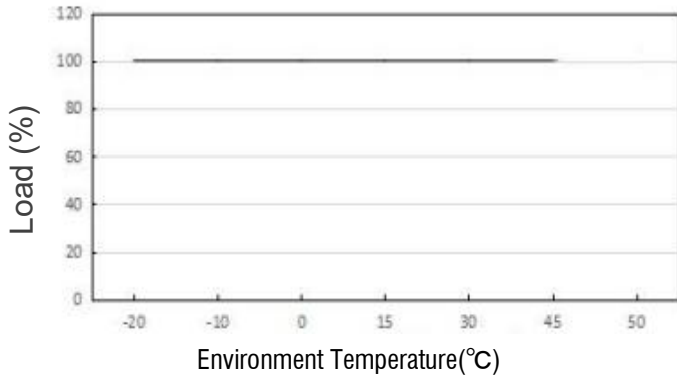


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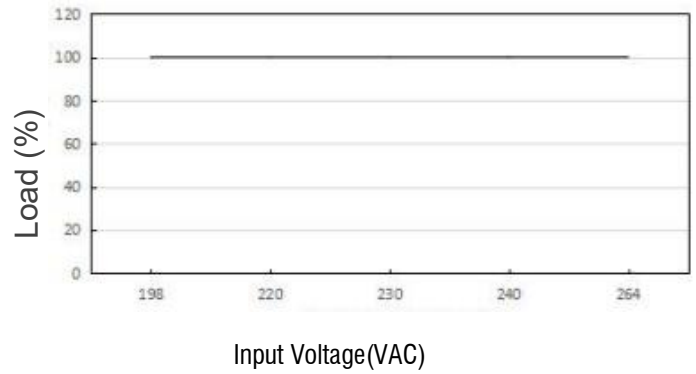
MODEL DETAIL SPEC.		YSL20F-1201670	YSL20F-2400833
INPUT	Input Voltage:	220-240VAC	
	Range of Input Voltage:	198-264VAC	
	Input Frequency:	50-60Hz	
	Input Current:	0.4A MAX@Full Load	
	Inrush Current:	< 65 Amps at 230VAC/50Hz@full load	
	Leakage Current:	< 0.25mA/240VAC	
	THD (Full load):	< 20%	
	Unload Power Consumption:	< 0.5W	
	Average Efficiency:	88%	
	Power Factor:	≥0.7@Full Load 220-240VAC	
OUTPUT	DC Voltage:	12V	24V
	Rated Current(Max):	1.67A	0.833A
	Rated Power(Max):	20W	20W
	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 , Above 105%-130% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Voltage:	Yes , 12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41.4~48.6V 48V: 55.2~64.8V Protection type: Shut down o/p voltage, re-power on to recover	
	Short Circuit:	Yes , Protection type:Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature:	NO	
SAFETY & EMC	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015+A1:2021;EN62493:2015	
	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	
OTHER	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient	
	Case Material and Size:	Plastic	
	IP Grade:	IP20	
	Size:	103*35.5*16.5mm	
	Weight:	85g / pcs	
Packaging:	100PCS/CTN,36*28.5*25cm		

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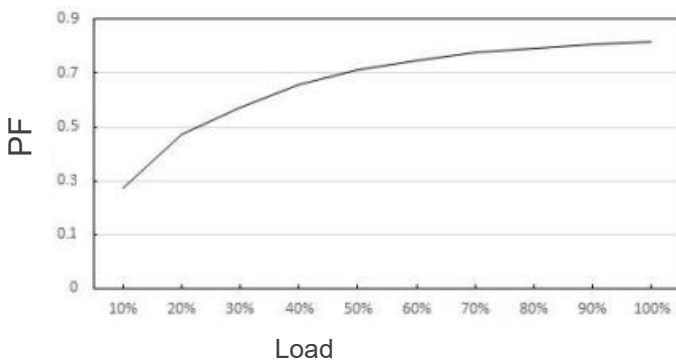
Deduction Curve and Temperature



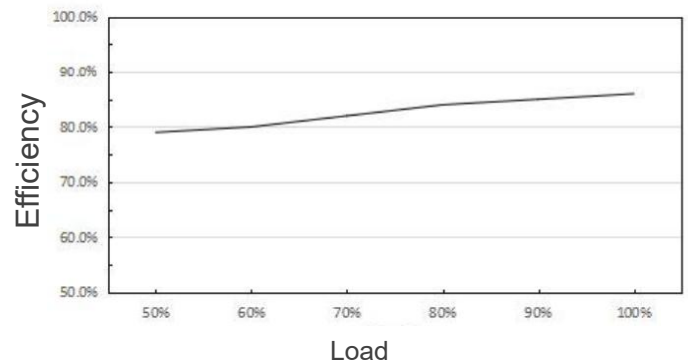
Minus Output and Input Voltage Curves



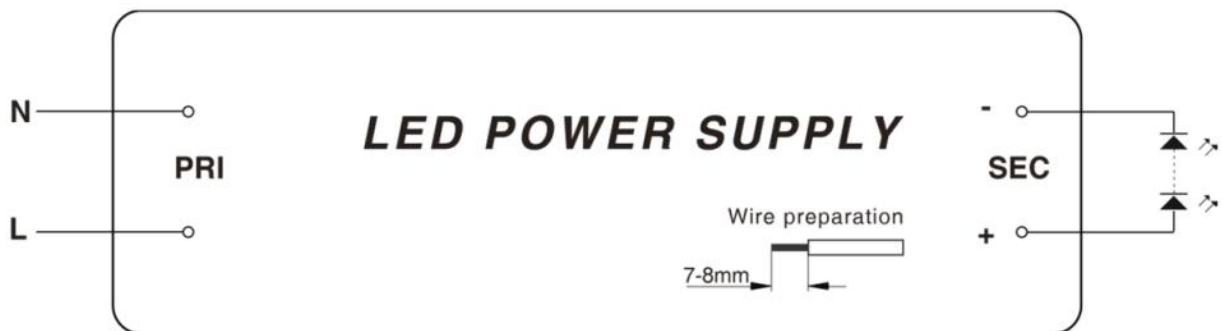
Power Factor (PF) Curves



Efficiency Vs Load



Wiring Diagram



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