

Datasheet

YSL20M-15W Series

YSL20M-15W SERIES



Input: 220-240V 50/60Hz
Output Voltage: 12V,24V,36V,48V
Rated Power: 15W max

Features

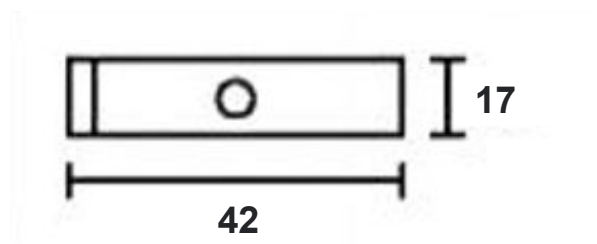
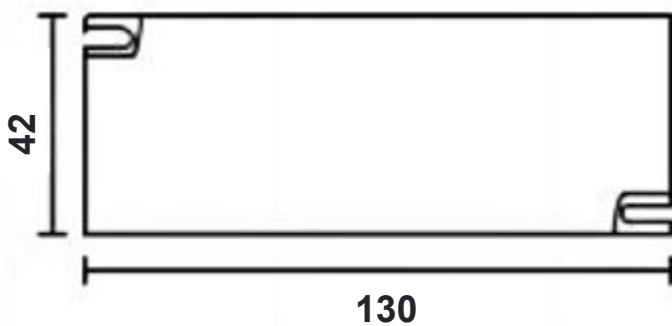
- Independent Ultrathin Power Supply
- flicker-free Design
- Primary and secondary sides come with leads
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- ERP :EU2019/2020
- IP44



Application

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

■ Dimensions and Installation

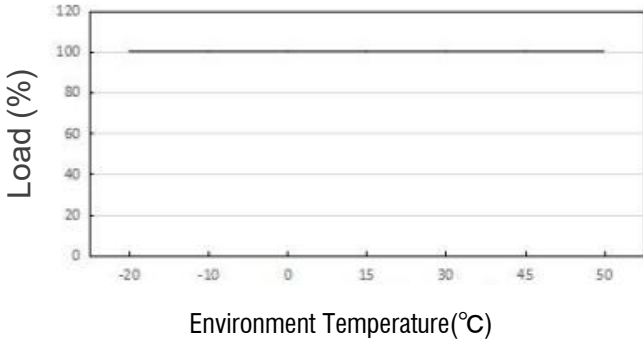


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MODEL DETAIL SPEC.		YSL20M-1201250	YSL20M-2400625	YSL20M-3600416	YSL20M-4800312
INPUT	Input Voltage:	220-240VAC			
	Range of Input Voltage:	198-264VAC			
	Input Frequency:	50/60Hz			
	Input Current:	0.3AMAX@Full Load			
	Inrush Current:	< 65 Amps at 230VAC/50Hz@full load			
	Leakage Current:	< 0.25mA/240VAC			
	THD (Full load):	< 20%			
	Unload Power Consumption:	< 0.5W			
	Efficiency:	88%			
	Power Factor:	≥0.7@Full Load 220-240VAC			
OUTPUT	DC Voltage:	12V	24V	36V	48V
	Rated Current(Max):	1.5A	0.625A	0.416A	0.312A
	Rated Power(Max):	15W	15W	15W	15W
	Voltage Tolerance:	±5%			
	Ripple and Noise:	400mVp-p	400mVp-p	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 & 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:	IP44			
	Size:	130*42*17mm			
	Weight:	150g / pcs			
	Packaging:	100PCS/CTN			

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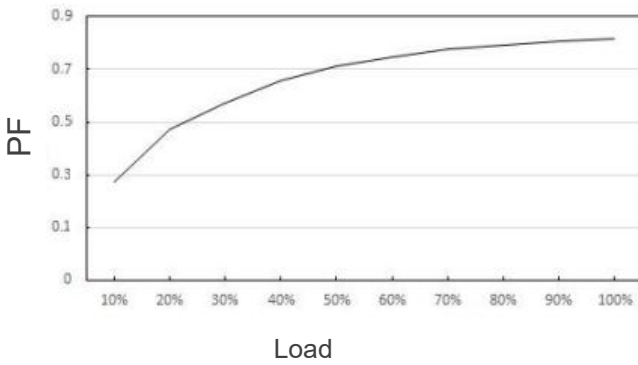
Deduction Curve and Temperature



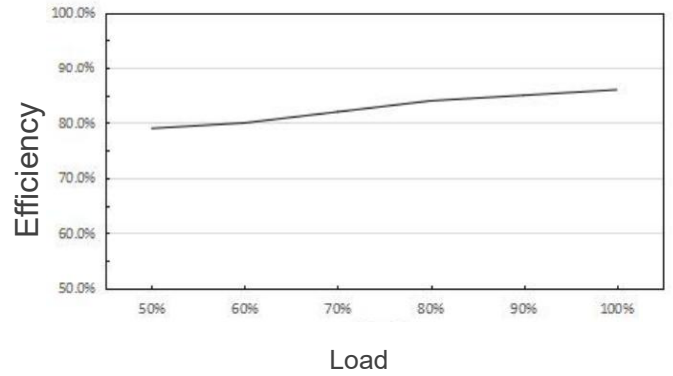
Minus Output and Input Voltage Curves



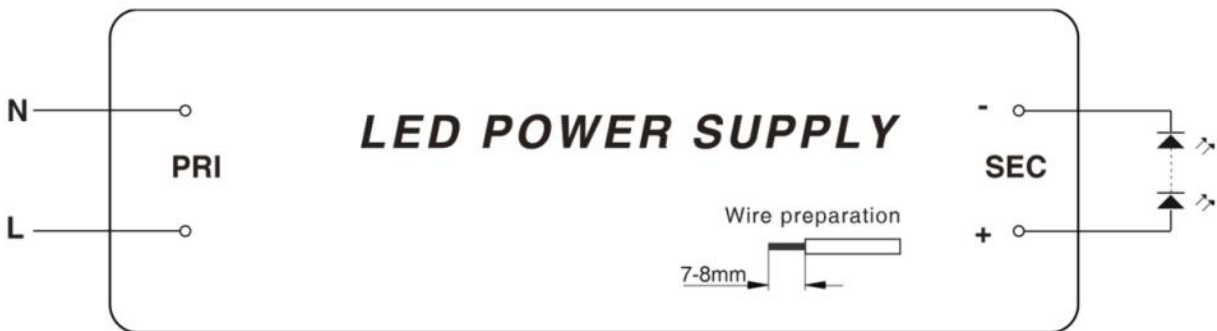
Power Factor (PF) Curves



Efficiency Vs Load



Wiring Diagram



Manufacturer's address:

Cuijia, Xidian Town, Ninghai, Ningbo 315613, China

Tel: +86-574-87563856

<https://www.yingjiaodriver.com>

FORTEC

GROUP

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

FORTEC

GROUP

FORTEC Elektronik AG | Augsburgener Straße 2b | 82110 Germering
+49 89 894450-0
info@fortecag.de | www.fortecag.de

FORTEC

INTEGRATED

FORTEC Integrated GmbH | Augsburgener Straße 2b | 82110 Germering
+49 89 894363-0
info@fortec-integrated.de | www.fortec-integrated.de

FORTEC

POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt
+49 6158 8285-0
weborder@fortec-power.de | www.fortec-power.de

FORTEC

EGYPT

FORTEC Electronic Design and Solution Egypt SMLC | Linx Business Park
Unit B318 | Smart Village | Giza Governorate
info@fortec-integrated.de | www.fortec-integrated.de

Autronic Steuer- und Regeltechnik GmbH | Siemensstraße 17
74343 Sachsenheim
+49 7147 24-0
vertrieb@autronic.de | www.autronic.de

FORTEC

CZECH REPUBLIC

FORTEC Czech Republic s.r.o. | Přátelství 275 | 330 02 Dýšina
+49 89 894363-0
info@fortec.cz | www.fortec.cz

FORTEC

UNITED STATES

FORTEC United States, Corp. | 87 Raynor Avenue Unit 1 | Ronkonkoma
NY | 11779 | +1 631 5804360
info@fortec.us | www.fortec.us

FORTEC

SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos
+41 44 7446111
info@fortec.ch | www.fortec.ch

FORTEC

UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court
Hinchingsbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN
+44 1480 411600
info@fortec.uk | www.fortec.uk