

YSL20M SERIES



Input: 100-240VAC 50/60Hz; 200-240VAC 50Hz
Output Voltage: 12V, 24V, 36V, 48VDC
Rated Power: 15W max

Features:

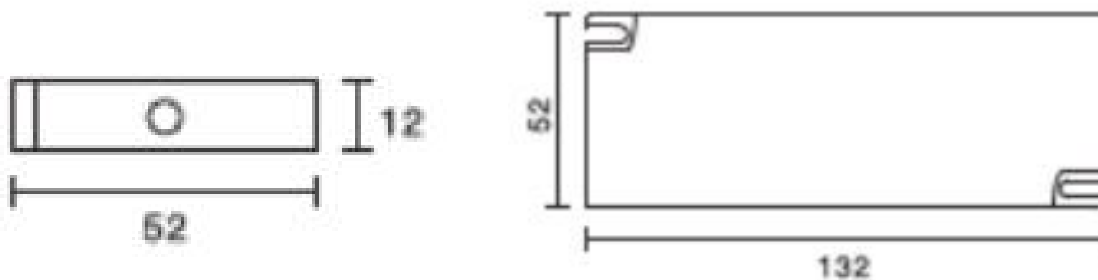
- Universal Input:
100-240V AC 50/60Hz; 200-240VAC 50Hz
- RoHS Compliance
- EMI Standard EN55015:2019+A11
- Safety Standard: EN61347-1:2015, EN61347-2-13:2014+A1:2017, UL8750
- Inrush current < 65A AC230V/50Hz
- High efficiency & low power consumption
- Short Circuit, Over Current and Over Voltage Protection
- Over temperature protection
- 100% full load burn-in test

Application

- LED lights bring
- LED indoor lighting
- LED decorative lighting
- LED building lighting



■ Dimensions and Installation



YSL20M SERIES

| MODEL DETAIL SPEC. | | YSL20M-1201250 | YSL20M-2400625 | YSL20M-3604160 | YSL20M-4800612 |
|--------------------|----------------------------|--|----------------|----------------|----------------|
| INPUT | Input Voltage: | 100-240VAC/200-240VAC | | | |
| | Input Frequency: | 50/60Hz | | | |
| | Inrush Current: | 65A/230VAC at full load | | | |
| | AC Current: | 0.17A/115VAC 0.085A/230VAC | | | |
| | Leakage Current: | < 0.25mA/240VAC | | | |
| | Efficiency: | 88% | | | |
| OUTPUT | DC Voltage: | 12V | 24V | 36V | 48V |
| | Rated Current: | 1250mA | 625mA | 416mA | 312mA |
| | Rated Power: | 15W | | | |
| | Voltage Tolerance: | ±5.0% | | | |
| | Ripple and Noise: | 120mVp-p | 240mVp-p | 360mVp-p | 480mVp-p |
| | Line Regulation: | ±3% | | | |
| | Load Regulation: | ±5% | | | |
| | Setup, Rise, Hold Up time: | 1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load | | | |
| ENVIRONMENTAL | Operating Temperature: | -20 ~ +50 (Refer to "Derating Curve") | | | |
| | Storage Temp: | -40°C ~ 85°C | | | |
| | Storage Humidity: | 20 ~ 95% RH | | | |
| | Working Humidity: | 20 ~ 95% RH non-condensing | | | |
| PROTECTION | Over Load: | Above 105%-130% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | |
| | Over Voltage: | 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 | | | |
| | Over Temperature: | Shut down o/p voltage, re-power on to recover | | | |
| | Safety Regulations: | EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015 | | | |
| SAFETY & EMC | Withstand Voltage: | I/P-O/P:3.75KVAC | | | |
| | Harmonic | EN61000-3-2 Class C EN61000-3-3 | | | |
| | EMI: | Compliance to EN55015 | | | |
| | EMS : | compliance to 61547:2009 | | | |
| | MTBF: | 200,000 Hours Minimum at Full Load at 25°C Ambient | | | |
| OTHER | Size: | 130*42*17mm | | | |
| | Weight: | 150g / pcs | | | |
| | Packaging: | 100PCS/CTN | | | |

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Deduction curve and temperature



Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram

