L6R20 Series

20W Wall Mount Power Supply

- DOE Level VI Efficiency Rating
- RoHS Compliant
- Safety Approvals: UL/cUL 62368-1
- Input Protection
- Compact Size



Model No.*	Application	Output Connector	Output Voltage	Load (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R20-050U	A/V & ITE	USB Type A	+5.0V	0	3.00	_	±5%	50mVpp	± 1%	± 5%
L6R20-050	A/V & ITE	Corded 5.5mm x 2.1mm x 9.5mm DC plug	+5.0V	0	3.00	_	±5%	50mVpp	± 1%	±5%
L6R20-059	A/V & ITE		+5.9V	0	3.00	_	±5%	60mVpp	± 1%	±5%
L6R20-075	A/V & ITE		+7.5V	0	2.67	_	±5%	75mVpp	± 1%	±5%
L6R20-090	A/V & ITE		+9.0V	0	2.22	_	±5%	90mVpp	± 1%	± 5%
L6R20-120	A/V & ITE		+12.0V	0	1.67	_	±5%	120mVpp	± 1%	± 5%
L6R20-150	A/V & ITE		+15.0V	0	1.33	_	±5%	150mVpp	± 1%	± 5%
L6R20-180	A/V & ITE		+18.0V	0	1.11	_	±5%	180mVpp	± 1%	± 5%
L6R20-240	A/V & ITE		+24.0V	0	0.83	_	±5%	240mVpp	± 1%	± 5%
L6R20-300	A/V & ITE		+30.0V	0	0.67	-	±5%	240mVpp	± 1%	± 5%
L6R20-360	A/V & ITE		+36.0V	0	0.56	_	±5%	240mVpp	± 1%	± 5%

^{*} Model No. format: L6R20-YYY, where YYY=050 to 360 representing output voltage. Output voltages from 5.0Vdc to 36Vdc are available for Level VI compliance in increments of 0.1V. Please contact Tri-Mag, LLC for the part number and specifications for your output voltage and/or specific output connector requirements and application.

- Output voltage is verified to specification at 60% rated load condition.
- Line Regulation is defined by changing ± 10% of input voltage from nominal line at rated load.
- Load Regulation is defined by changing ± 40% of measured output load from 60% rated load.
- The ripple and noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 10 μF electrolytic and a 0.1 μF capacitor at rated load and nominal line.
- Efficiency is measured at rated load and nominal line.





L6R20 Series

Approved to UL/cUL 62368-1, the **L6R20 Series** is an economical and dependable whether powering stationary or portable devices.

This DOE Level VI compliant power supply/charger is rated up to 20W, with plenty of voltage levels to

choose from: 5.0Vdc to 36Vdc (in increments of 0.1V), to match your specific need.

Call us at (414-649-4200) for the part number to match your particular need.

Specifications

Input						
Input Voltage	• 90 VAC ~ 264 Vac					
Input Frequency	 47 Hz to 63 Hz 					
Input Current	• 1.2A Max.					
Inrush Current	 40A Max. 					
Leakage Current	• 0.25mA Max.					
Output						
Output Voltage Range	• 5.0 ~ 36Vdc					
Output Current Range	• 555 - 3000mA, 20.0W Max.					
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Minimum Load

Line Regulation

* No min. load required.

* ± 1% at rated load across input voltage range.

* 100mVp-p Max.

Overvoltage Protection

Overload Protection

Short Circuit Protection

* Auto recovery

Auto recovery

* Auto recovery

0-20W

General

Insulation Resistance
 Efficiency
 Standby Power
 Leakage Current
 50MΩ Min.
 Level VI compliant
 0.1W Max
 0.25mA Max

Environmental

Output Power Range

Operating Temperature
Operating Humidity
Storage Temperature
Cooling
Humidity
Temperature Coefficient

• 0°C to 40°C
• 5% - 95% RH, Non-Condensing
• -20°C to +80°C
• Convection
• 5~95%RH (non-condensing)
• 0.05%/°C

EMC & Safety

Safety Approvals

UL: ANSI/UL 62368-1

CUL: CAN/CSA 22.2 No. 62368-1

EMC Approvals:

FCC

 Warranty Period
 • 3 years

 Dimensions
 • 59.0 x 40.9 x 26.5 mm

 Size
 • 59.0 x 40.9 x 26.5 mm

 2.32 x 1.61 x 1.04 Inches

 Tolerance
 • ±0.2mm

 Weight
 • Approx. 150g (5.25 oz.)

 Connectors
 • AC input, US 2-prong inlet plug

DC output, standard 5.5mm x 2.1mm x 9.5mm corded dc output jack or USB output option or per customer specification.

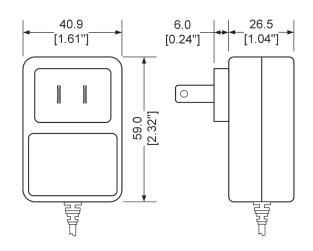
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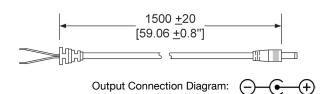
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Cord Length • 1500 ± 20mm (59 ± .8")

Mechanical Drawing

Warranty





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