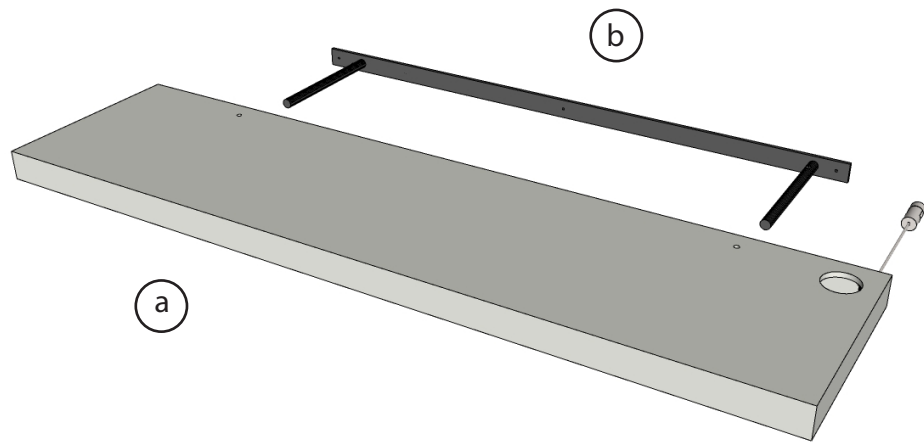# LED Lit Floating Shelves

Installation Guide
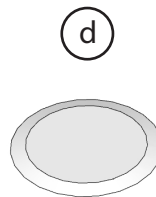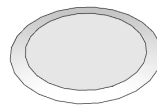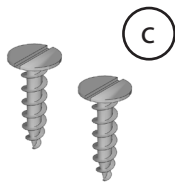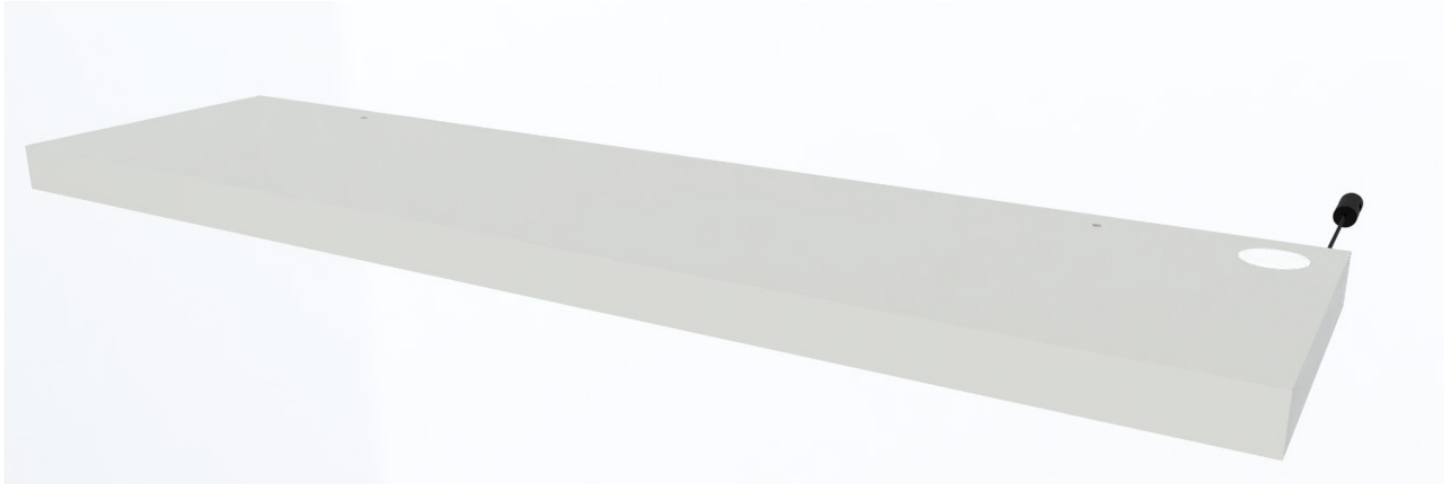
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Shelf Parts list

a) Shelf with LED strip, wired for usage

b) Wall mounting bracket

c) Securing screws (Qty 2)

d) Access hole covers (Qty 2)

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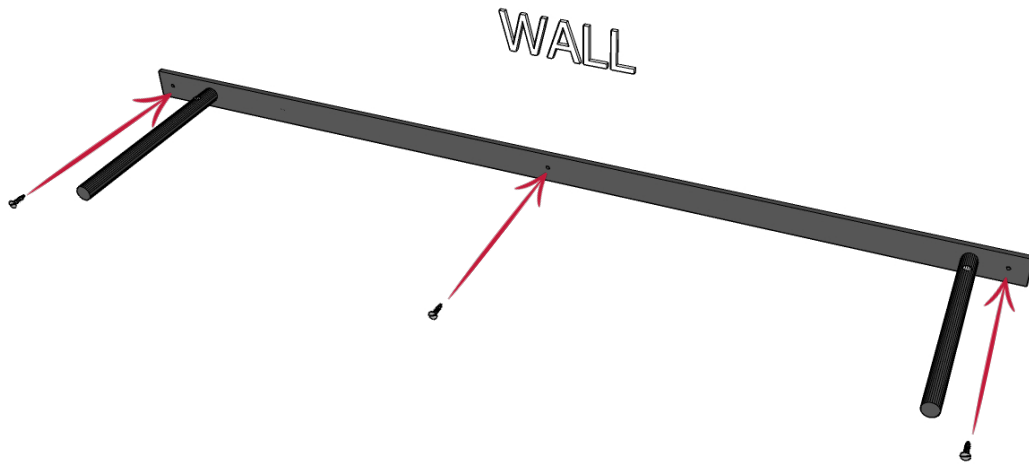
Easy to Install Fixtures

Front View

Back View

OMG Lit Floating Shelves are not only easy to install, but are the perfect way to present today's fashion eyewear. As an added bonus, each shelf has the ability to be wired for a digital device of your choice through the access holes on the top and bottom of each shelf. (Middle shelf recommended)

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WALL

1. Screw metal mounting bar to wall (screws not included). **If stud is not lining up with access holes, feel free to drill through the metal mounting bar to secure.**

WALL
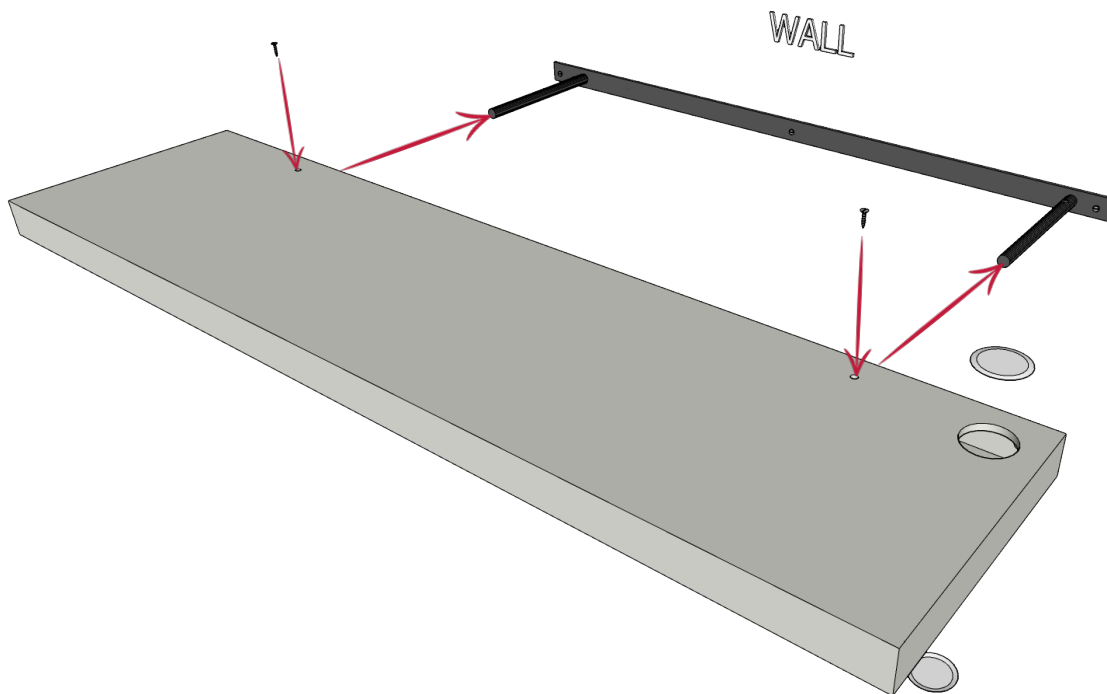
2. Slide shelf onto bracket;
secure with screws provided.
Caps go on the top and bottom
Mean WEof the shelf.

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Recommended Shelf Placement

14"

14"

36"
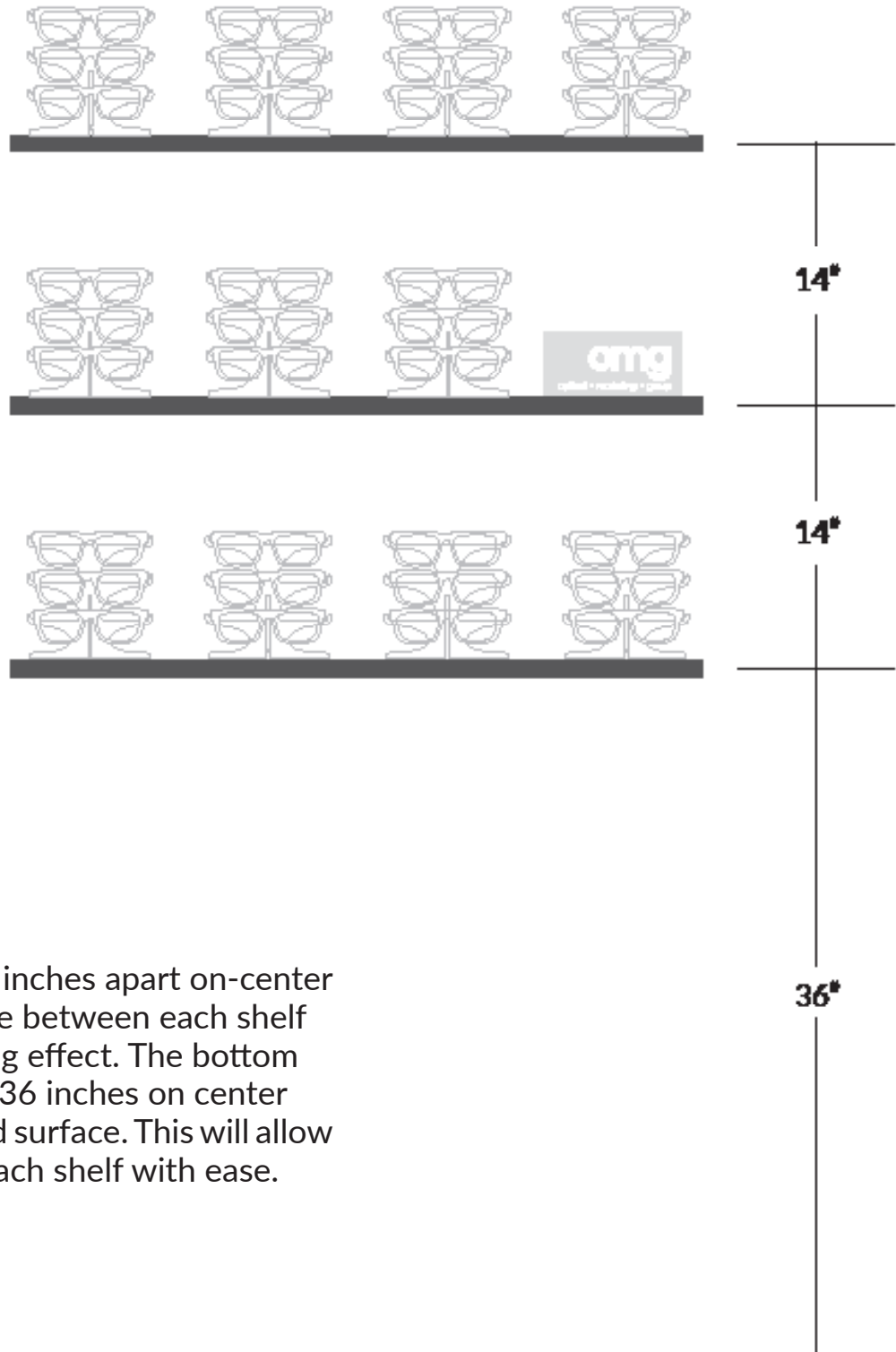
Install the shelves 14 inches apart on-center to allow enough space between each shelf to get the best lighting effect. The bottom shelf should be hung 36 inches on center from the floor finished surface. This will allow customers to reach each shelf with ease.

DC Wiring Shelves
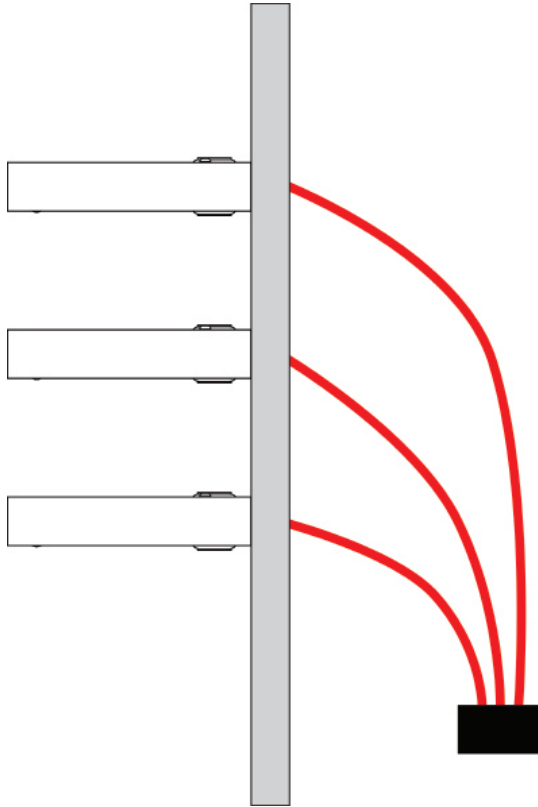
Wiring the shelves is easy.

1) Position the transformer in a conveniently accessible location, hidden from public view.

2) Affix low-voltage wiring into transformer as pictured in the diagram below. (You can tie multiple low voltage wires to the + and - terminals on the transformers.)

3) Run wiring through prepared holes in the wall where shelving units will go. This hole should be lined up with the hole in the back of the shelf (see image on page 2.)
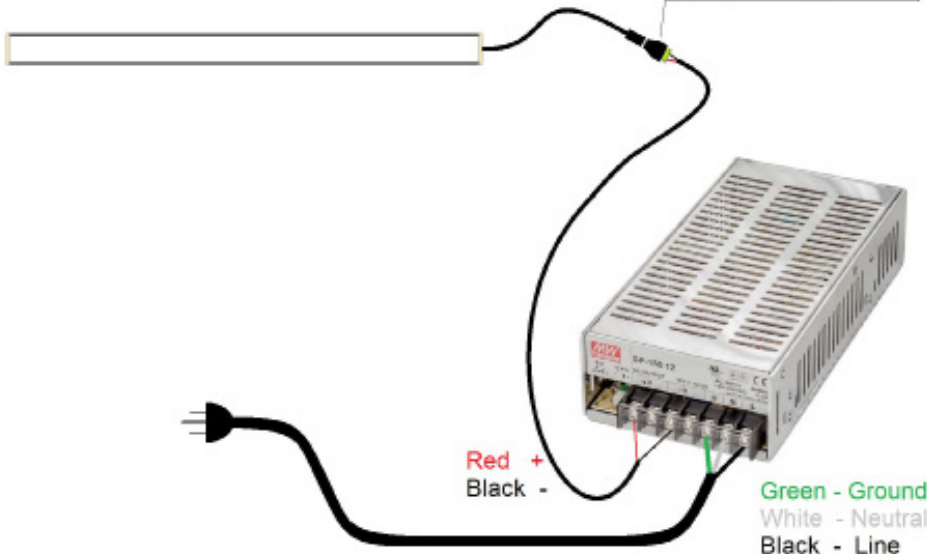
4) Affix male adaptor plug to low-voltage wire. (Red +, Black - and secure by tighting with a screwdriver)

5) Once you have mounted the bracket on to the wall, plug male adaptor plug into female adaptor and complete shelf installtaion.

Red +
Black -

Red +
Black -

Green - Ground
White - Neutral
Black - Line

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AC Wiring Shelves
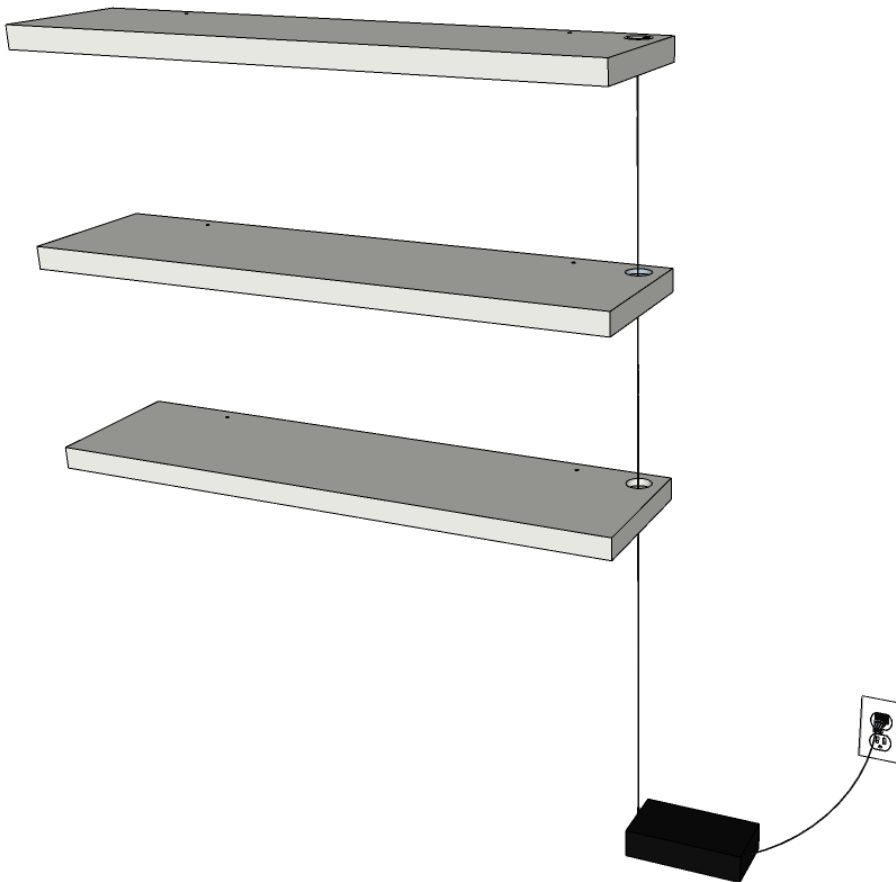
The AC version of this shelving set can support up to three shelves into a single wall outlet. You will need to specify whether you are ordering the AC or DC version at checkout.

The AC version comes with an adaptor that plugs into a wall outlet, a 3 way splitter, and two male to female extender cables.

To install the shelves as pictured:

1) Connect Male-to-Female extender cables to the top and middle shelf plugs and feed through access holes to the bottom shelf

2) Connect bottom shelf plug and 2 Male-to-Female extenders (for middle and top shelves) to the 3-way splitter

3) Connect the 3-way splitter to the AC adaptor through access hole underneath bottom shelf (3-way splitter can be concealed inside bottom shelf)

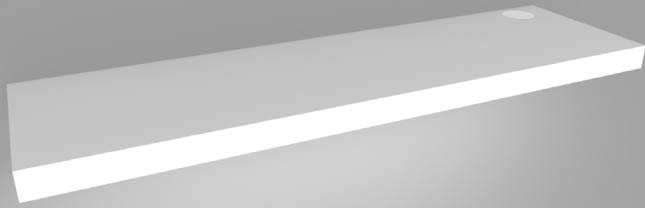*We reccommend covering exposed lenght of wires in a wire casing cover with the AC version of the shelves
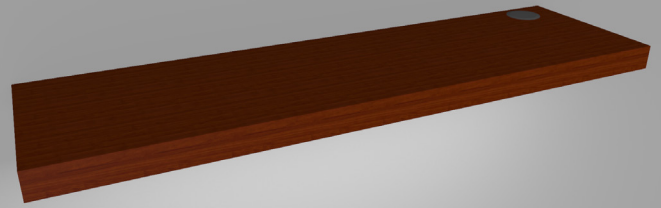

AC Adaptor

3-Way Splitter

Male-to-female Extender Cables

Finishes

White

Cherry
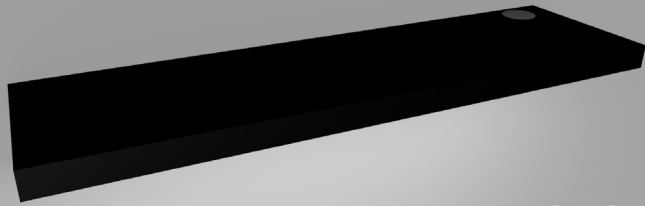
Black
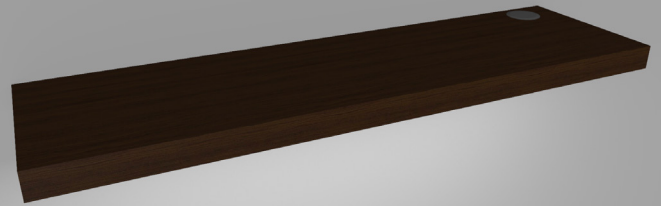
Chocolate Apple
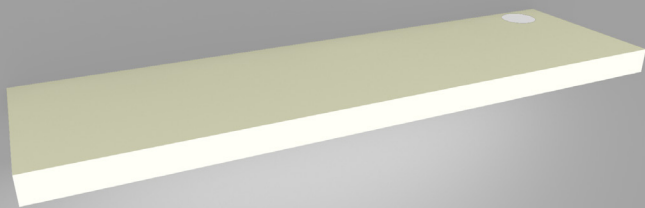
Almond

Walnut

Maple

Custom laminate finishes available. For information on custom options, please contact OMG at info@ omghome.net, or call us at 978-712-0664.

Product Specifications

Shelves

- 36 by 10 by 1 1/2 inches in size (custom sizes available up to 5 feet wide).
- Dual access holes 1.75 inches in size.
- Medium Density Fiberboard (MDF) covered in Laminate.
- Powder Coated Steel Bracket.

Lighting

- Neutral White. (6500° Kelvin.)
- CRI = 90+.
- Not waterproof.
- 3498 mW/meter = 1152 lumens/meter.
- 12 volts DC.
- 56.4 watts (3.4 watts/foot = 11.3 watts/meter.)
- Length: 16.4 ft = 5 m.
- Width: 0.39 in = 10 mm.
- Height: 0.08 in = 2 mm.
- LED spacing: 0.33 in = 8.3 mm.
- UL, RoHS.
- 50,000 hours expected lifetime.
- Warranty: 3 years limited.
- No Ultra-Violet emissions (except for the special UV version)

Please see next page for transformer specifications.

Transformer Specifications

MEAN WELL — 240W Single Output with PFC Function

SP-240 series

■ Features :
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Built-in fan ON / OFF control
- LED indicator for power on
- Fixed switching frequency at 90KHz
- 3 years warranty

SPECIFICATION

MODEL		SP-240-5	SP-240-7.5	SP-240-12	SP-240-15	SP-240-24	SP-240-30	SP-240-48
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	30V	48V
	RATED CURRENT	45A	32A	20A	16A	10A	8A	5A
	CURRENT RANGE	0 ~ 45A	0 ~ 32A	0 ~ 20A	0 ~ 16A	0 ~ 10A	0 ~ 8A	0 ~ 5A
	RATED POWER	225W	240W	240W	240W	240W	240W	240W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4 ~ 6V	6 ~ 9V	10 ~ 14V	12 ~ 18V	20 ~ 28V	27 ~ 33V	41 ~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	800ms, 50ms/230VAC 1500ms, 50ms/115VAC at full load						
	HOLD UP TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load						
INPUT	VOLTAGE RANGE Note.5	88 ~ 264VAC 124 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load						
	EFFICIENCY (Typ.)	79%	83%	86%	86%	87%	88%	89%
	AC CURRENT (Typ.)	3.6A/115VAC 1.8A/230VAC						
	INRUSH CURRENT (Typ.)	25A/115VAC 40A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
PROTECTION	OVERLOAD	105 ~ 135% rated output power						
		Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	6.3 ~ 7.5V	9.4 ~ 10.9V	14.7 ~ 17.5V	19 ~ 22.5V	29.5 ~ 35V	34.7 ~ 41V	57.6 ~ 67.2V
		Protection type : Shut down o/p voltage, re-power on to recover						
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down						
FUNCTION	FAN CONTROL	RTH2≧40℃ FAN ON, ≦35℃ FAN OFF(Typ.)						
ENVIRONMENT	WORKING TEMP.	-20 ~ +70℃ (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH						
	EMI CONDUCTION & RADIATION	Compliance to EN55032 (CISPR32) Class B						
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A						
OTHERS	MTBF	284K hrs min. MIL-HDBK-217F (25℃)						
	DIMENSION	190*93*50mm (L*W*H)						
	PACKING	0.8Kg; 18pcs/15.4Kg/1.04CUFT						
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 5. Derating may be needed under low input voltages. Please check the derating curve for more details.						

AC Wiring Specifications

100 Watt 12 VDC Power Supply
(North American Cord)

- Finish: Black
- Height (English): 1.6 in
- Height (Metric): 41 mm
- Input Current: 1.2 mA
- Input Voltage   :100to240AC
- Length (English): 6.5 in
- Length (Metric): 165 mm
- Output Voltage: 12 DC
- Plug by Region: North America
- Power (Watts): 100
- Rating: UL, CUL, CE
- Warranty: 1 year
- Width (English): 2.45 in
- Width (Metric): 62 mm

Low Voltage 3-Splitter

- Diameter (English): 0.43 in
- Diameter (Metric): 10.9 mm
- Length (English): 7.87 in
- Length (Metric): 200 mm
- Variation: 2.1 mm ID
- Warranty: 1 year

Extender cable Male-Female 14
gauge (6 feet)

- Diameter (English): 0.43 in
- Diameter (Metric): 10.9 mm
- Length (English): 7.87 in
- Length (Metric): 200 mm
- Variation: 2.1 mm ID
- Warranty: 1 year

Thank you for choosing OMG!

We hope you enjoy your purchase!

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