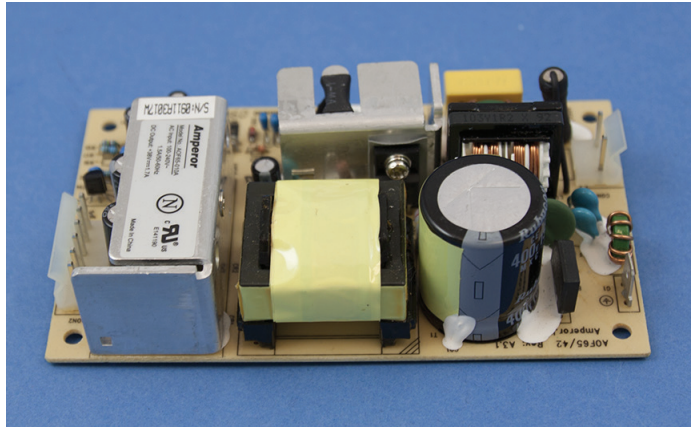


# AOF65 Series

Single or Multi Output Channels, 60W  
Open Frame Power Supply



## Features and Applications:

- AC-to-DC Switch Mode Power Supply
- Accept Universal AC Input
- Single or Multi Output Channel Options Available
- Industry Standard 5x3x1.3" Package for 1U Applications
- OVP / OCP / OTP / Short Circuit Protection
- cUL Report Available

All specifications are typical at nominal input, full load, at 25°C unless otherwise stated.

### Electrical Specifications

#### INPUT

Input Voltage Range	90 - 264Vac, (Rated 100 - 240Vac)
Input Frequency	47 - 63Hz
Input Current	Max. 1.5A@90Vac, Full load
Inrush Current	Max. 80A @230Vac Cold Start Max. 40A @ 115Vac, Cold Start
Leakage Current	0.2mA@120Vac, 0.4mA@230Vac

#### OUTPUT

Min. Load Requirement	0.1A @ main output
Output Regulation	5%
Ripple & Noise	1% Vout at 20MHz
Efficiency	75% typical.
Protection Circuitry	Shutdown & Auto Recovery
Power On Time	< 2 sec.

### General Specifications

Warranty Info / MTBF	Contact Amperor for detailed warranty and MTBF information
Dimension	127mm x 76.2mm x 33mm 5" x 3" x 1.3"

### Environmental Specifications

Operating Temp.	-20°C ~ 70°C
Temp. De-rating	50°C to +70°C
Storage Temp.	-20°C to +80°C
Relative Humidity	5% to 95% ( non-Condensing )
Vibration	2.5G rms peak, 5 ~ 500Hz
Shock	40G Peak
Cooling	Convection
RoHS	Compliant



### EMC

Conducted Emissions	EN55022,FCC part 15 level B
Radiated Emissions	EN55022,FCC part 15 level B

### Safety Certifications

cUL UL60950-1: 2003 1st edition

Nemko EN60950-1: 2011 A11

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## Output Specifications

Model	Output #1 (Vout / Max Load / Peak Load / Regulation)	Output #2 (Vout / Max Load / Peak Load / Regulation)	Output #3 (Vout / Max Load / Peak Load / Regulation)
AOF65-0101	+5.0V / 10A / 12A / $\pm 2\%$		
AOF65-0102	+12V / 5.0A / 8.3A / $\pm 2\%$		
AOF65-0103	+15V / 4.0A / 6.6A / $\pm 2\%$		
AOF65-0104	+24V / 2.5A / 3.5A / $\pm 2\%$		
AOF65-0105	+3.3V / 8A / 10A / $\pm 2\%$		
AOF65-0106	+9V / 6.67A / 9A / $\pm 2\%$		
AOF65-0107	+30V / 2.0A / 3.6A / $\pm 2\%$		
AOF65-0108	+36V / 1.67A / 2.5A / $\pm 2\%$		
AOF65-0109	+48V / 1.25A / 2A / $\pm 2\%$		
AOF65-010A	+38V / 1.7A / 1.9A / $\pm 2\%$		
AOF65-010B	+32V / 2.8A / 2.9A / $\pm 5\%$	+5V / 0.6A / 0.7A / $\pm 5\%$	
AOF65-0301	+5.1V / 6.0A / 9.0A / $\pm 5\%$	+12V / 2.2A / 3.5A / $\pm 5\%$	-12V / 0.5A / 1A / $\pm 10\%$
AOF65-0302	+5.1V / 6.0A / 9.0A / $\pm 5\%$	+12V / 2.2A / 3.5A / $\pm 5\%$	-5V / 0.5A / 1A / $\pm 10\%$
AOF65-0303	+5.1V / 6.0A / 8.0A / $\pm 5\%$	+15V / 1.5A / 2.0A / $\pm 5\%$	-15V / 0.5A / 0.5A / $\pm 10\%$
AOF65-0304	+5.1V / 6.0A / 9.0A / $\pm 5\%$	+24V / 1.0A / 1.5A / $\pm 5\%$	+12V / 0.5A / 0.5A / $\pm 10\%$

## Pin Assignment

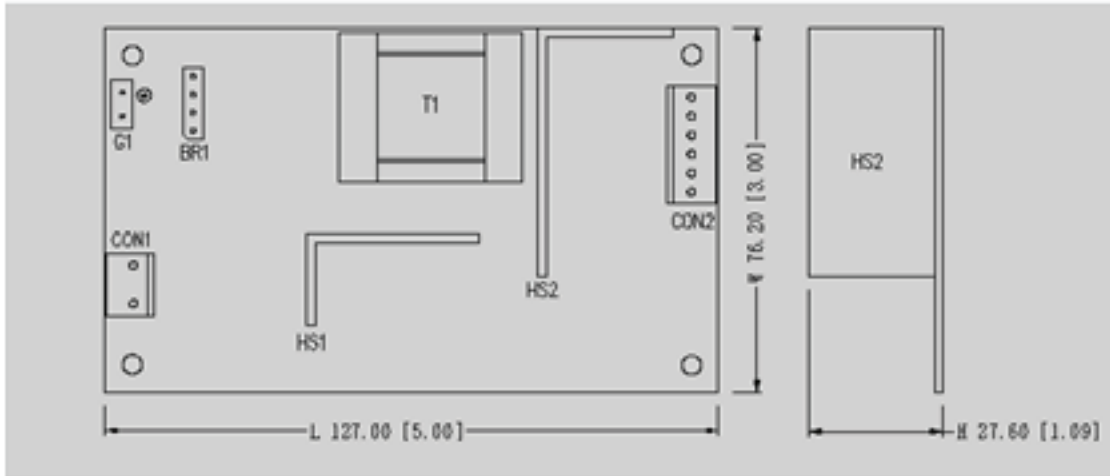
Model	Pin 1	Pin 2 & 3	Pin 4 & 5	Pin 6
AOF65-0101	NC	+5V	RTN	NC
AOF65-0102	NC	+12V	RTN	NC
AOF65-0103	NC	+15V	RTN	NC
AOF65-0104	NC	+24V	RTN	NC
AOF65-0105	NC	+3.3V	RTN	NC
AOF65-0106	NC	+9V	RTN	NC
AOF65-0107	NC	+30V	RTN	NC
AOF65-0108	NC	+36V	RTN	NC
AOF65-0109	NC	+48V	RTN	NC
AOF65-010A	+38V	+38V	RTN	RTN
AOF65-010B	NC	+32V	RTN	+5V
AOF65-0301	-12V	+5.1V	RTN	+12V
AOF65-0302	-5V	+5.1V	RTN	+12V
AOF65-0303	-15V	+5.1V	RTN	+15V
AOF65-0304	+12V	+5.1V	RTN	+24V

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## Mechanical Drawing



## Airflow vs. Output Power De-Rating Curve

Diagram of power curves with forced air

