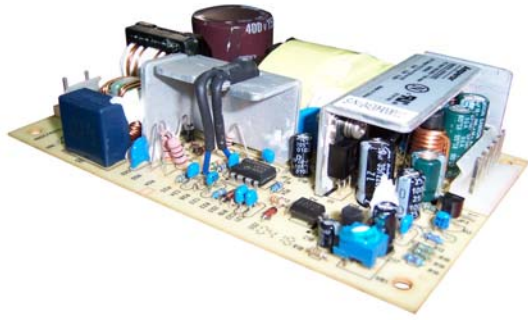


AOF65 Series

Single, Dual and Triple Output



Features and Applications:

- 60W Max. Continuous Output Switching Power Supply
- 3" x 5" x 1.2" Package Size
- Over-Voltage, Over-Temperature and Short Circuit Protection
- Built-in EMC Filter
- Low Output Ripple and Noise
- cUL, Nemko Safety Approvals (A)

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

Electrical Specs

INPUT	
Input Range	90 ~ 264VAC, full range
Frequency Range	47 ~ 63 Hz
Efficiency	75% typical
Input Current	1.5A rms @ 90VAC
Inrush Current	40A max. @ 120VAC, cold start 80A max. @ 230VAC, cold start
Leakage Current	0.2mA @ 120VAC, 60Hz 0.4mA @ 230VAC, 50Hz
OUTPUT	
Maximum Power	60W continuous 80W with 45 CFM. forced air
Load Regulation	±2% or ±5%
Line Regulation	±1% max.
Ripple & Noise	1% of Vo at 20M Hz
Power On Time	2s max. at turn on
Hold-up Time	> 18ms @ full load, 120VAC > 24ms @ full load, 230VAC
OTP protection	110°C @ heat sink
OVP protection	135% ±15%
Short protection	Cyclic operation
Min load operation	0.1A @ Single output

General

Isolation Voltage	3000V AC @ between input and output
Switching Frequency	100K Hz
Weight	0.2 Kg (0.44 lbs.) max.
Warranty Info MTBF	1 year 150,000 hours min. @ 25°C, 80% of full load

Environmental

Operating Temp.	0°C ~ 40°C
Storage Temp.	-20°C ~ 80°C
Temp. Derating	Decrease to 40% load from 40°C to 70°C
Relative Humidity	5% to 95% Non-condensing
Vibration Shock	2.4G rms peak, 5Hz ~ 500Hz 40G peak
RoHS	Compliant

Safety

cUL UL60950-1: 2003, First Edition
Nemko EN60950-1: 2001, A11



EMC

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

A. We will offer the safety certificate, according to the customer's request.

Amperor Inc.
11320 Neeshaw Dr.,
Houston, TX 77065
1-281-807-3320
<http://www.amperor.com>

Amperor Europe Ltd.
30 Ballot Road
Irvine KA12 OHW Scotland U.K
44-(0)-1294-272400

Intertek Corp, an Amperor Company
4th, Fl, Far East World Centre
Hsin Tai Wu Road, Hsin-Chih, Taipei, Taiwan R.O.C
886-2-2698-2239

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Order Information

Table 1: Output Specifications

Model name	Output #1	Output #2	Output #3
	Vo/Max/Peak/Reg	Vo/Max/Peak/Reg	Vo/Max/Peak/Reg
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 / $\pm 5\%$	
AOF65-010D	+19V / 3.5A / 3.5A / $\pm 2\%$		
AOF65-0301	+5.1V / 6.0A / 9.0A / $\pm 5\%$	+12V / 2.2A / 3.5A / $\pm 5\%$	-12V / 0.5A / 1A / $\pm 10\%$
AOF65-0301(A)	+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 / $\pm 10\%$

Table 2: Output Pin Assignment

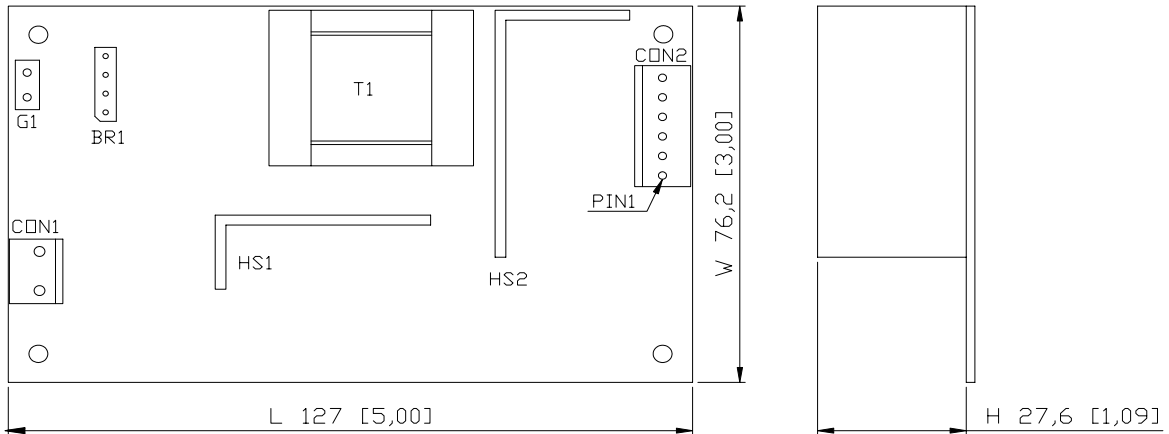
Model name	Pin 1	Pin 2 & 3	Pin 4 & 5	Pin 6
AOF65-0102	NC	+5V	RTN	NC
AOF65-0103	NC	+12V	RTN	NC
AOF65-0103	NC	+15V	RTN	NC
AOF65-0104	NC	+24V	RTN	NC
AOF65-0105	NC	+3.3V	RTN	NC
AOF65-0106	NC	+9V	RTN	NC
AOF65-0107	NC	+30V	RTN	NC
AOF65-0108	NC	+36V	RTN	NC
AOF65-0109	NC	+48V	RTN	NC
AOF65-010A	+48V	+48V	RTN	RTN
AOF65-010B	NC	+32V	RTN	+5V
AOF65-010D	NC	+19V	RTN	NC
AOF65-0301	-12V	+5.1V	RTN	+12V
AOF65-0301(A)	-12V	RTN	+5.1V	+12V
AOF65-0302	-5V	+5.1V	RTN	+12V
AOF65-0303	-15V	+5.1V	RTN	+15V
AOF65-0304	+12V	+5.1V	RTN	+24V

AOF65 series

Single, Dual and Triple Output



Mechanical Information



- Note: 1. All dimensions in mm(inches)
2. Detailed mechanical drawing upon request

De-Rating Curve

Diagram of power curves with forced air

