

AGF600-48S50P

600 Watts

Data Sheet

Total Power: 600 Watts
Input Voltage: 36 - 75 V
of Outputs: Single



SPECIAL FEATURES

- Delivering up to 12 A output
- Ultra-high efficiency 94.3% typ. at full load
- Wide input range: 36 V ~ 75 V
- Excellent thermal performance
- No minimum load requirement
- Fixed frequency operation
- RoHS 6 compliant
- Remote control function
- Remote output sense
- Trim function: 50% ~ 114%
- Input undervoltage protection
- Output overcurrent protection
- Output overvoltage protection
- Overtemperature protection
- Industry standard full-brick pin-out outline
- With aluminum baseplate
- Pin length optional

SAFETY

- UL 60950-1
- IEC60950 -1

Electrical Specifications

Input	
Input range	36 - 75 VDC
Efficiency	94.3%
Output	
Output voltage	50 Vdc
Output current	12 A
Voltage tolerance	+/-1%
Line regulation	14 mV
Load regulation	56 mV
Noise/ripple	160 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto restart
Switching frequency	290 kHz
Temperature co-efficient	±0.02/°C
Isolation	
I/O isolation	1500 VDC min.

Environmental Specifications

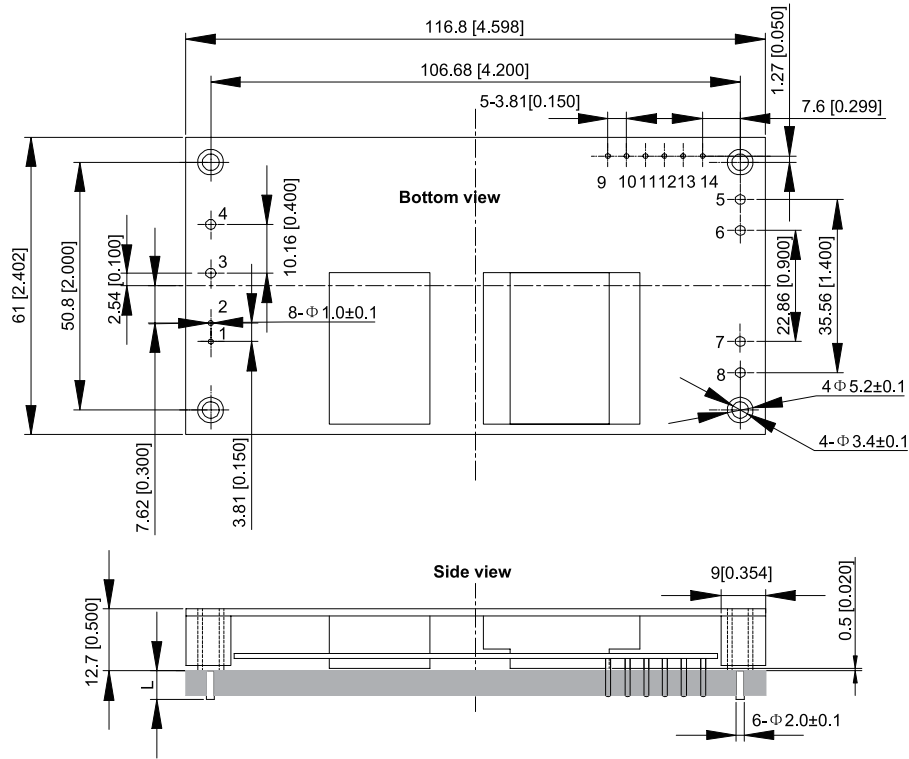
Operating ambient temperature range	-40 °C to + 85 °C
Storage temperature	-55 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	1.5 Million hours
RoHS Compliant	

Ordering Information

Model number	Input voltage	Output voltage	Power
AGF600-48S50P-6L	36 - 75 Vin	50 V @ 12 A	600 W

"-6" = 3.8 mm pin length
 "-L" = RoHS 6 compliance

Mechanical Drawings



Unit: mm[inch] Bottom view: pin on upside

Tolerance: X.Xmm±0.5mm[X.X in.±0.02in.]
 X.XXmm±0.25mm[X.XX in.±0.01in.]

Pin Assignments

Pin #	Function
1	+On/Off
2	-On/Off
3	Vin+
4	Vin-
5,6	Vo-
7,8	Vo+
9	AUX
10	I/OG
11	NC
12	Trim
13	+S
14	-S

Notes:

1. All specifications are subject to change without notice. Mechanical drawings are for reference only.
2. Warranty: 2 years
3. Label and logo appearance may vary from what is shown on mechanical drawings.

WORLDWIDE OFFICES

Americas

2900 S.Diablo Way
 Tempe, AZ 85282
 USA
 +1 888 412 7832

Europe (UK)

Waterfront Business Park
 Merry Hill, Dudley
 West Midlands, DY5 1LX
 United Kingdom
 +44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
 2 Wing Yip Street
 Kwun Tong, Kowloon
 Hong Kong
 +852 2176 3333



www.artesyn.com

Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. © 2015 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit www.artesyn.com/legal.

For more information: www.artesyn.com/power
 For support: productsupport.ep@artesyn.com