

AGF600-48S50P

600 Watts

Data Sheet

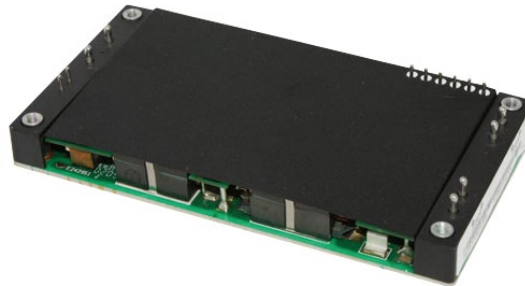
Total Power: 600 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

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

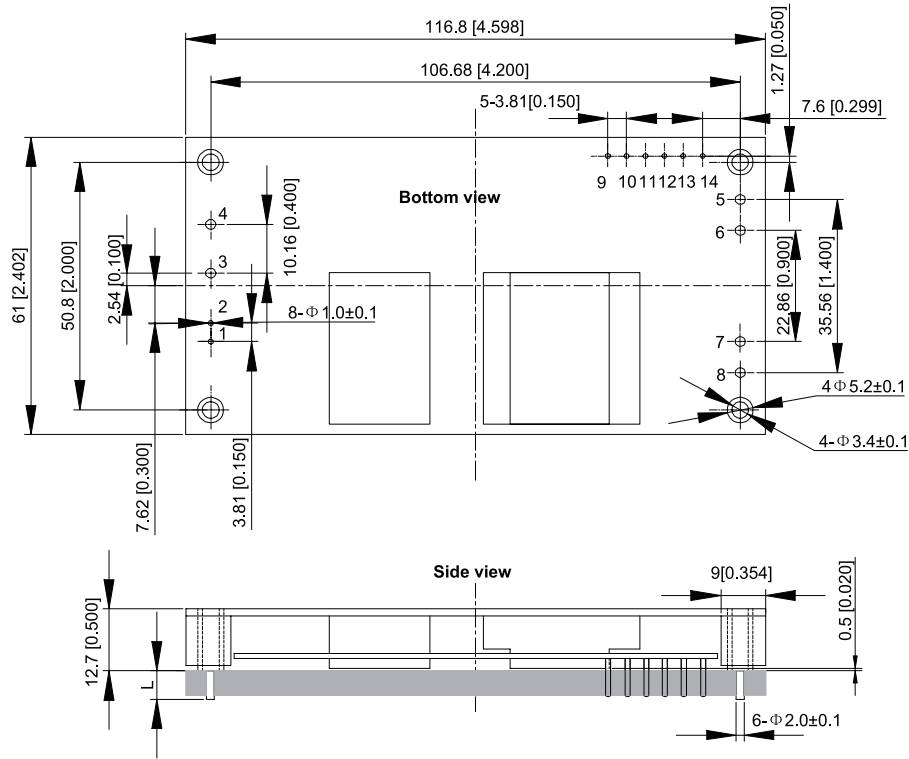
Operating ambient temperature range	-40 °C to + 85 °C
Storage temperature	-55 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	1.5 Million hours
RoHS Compliant	

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	I0G
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.

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