

AGH360 Series

360 Watts

Data Sheet

Total Power: 360 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- High efficiency
- High capacitive load capability
- Basic insulation system
- Pre-bias start-up capability
- Openframe structure with Baseplate option

SAFETY

- UL, cUL: UL60950
- TUV/CE: IEC/EN60950



Electrical Specifications

Input

Input range:	36 - 75 VDC
Efficiency:	12Vo

Output

Voltage tolerance:	+/-2.5%
Line regulation:	+/- 0.2%
Load regulation:	+/- 0.2%
Noise/ripple:	120mV
Over voltage protection: Over temperature protection:	Auto-restart
Switching frequency:	145 KHz
Temperature coefficient:	±0.02/°C

Isolation

I/O isolation:	1500 VDC min.
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Environmental Specifications

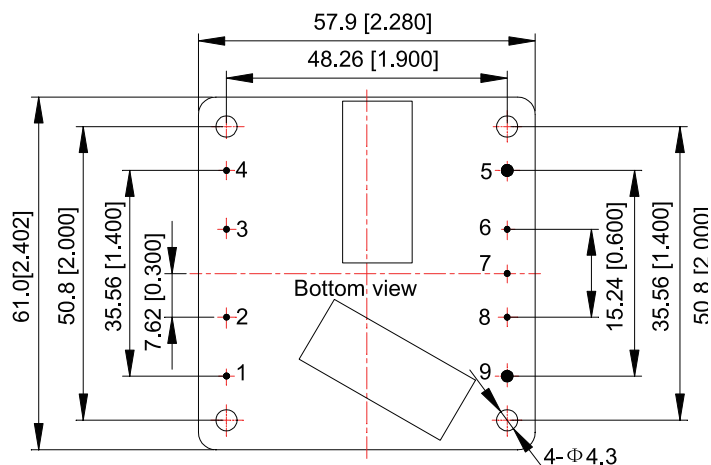
Operating ambient temperature range:	-40°C to +85 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	1.5 Million hours
RoHS Compliant	

Ordering Information

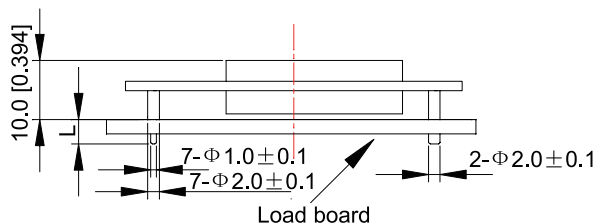
Model number	Input voltage	Output voltage	Power
AGH360-48S12-6L	36 - 75 Vin	12V @ 30A	360W
AGH360-48S12B-6L	36 - 75 Vin	12V @ 30A	360W
AGH360-48S12P-6L	36 - 75 Vin	12V @ 30A	360W
AGH360-48S12PB-6L	36 - 75 Vin	12V @ 30A	360W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-L" = RoHS6 compliance
- "-P" = Positive enable
- "-B" = Baseplate

Mechanical Drawings



Side view



Load board

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 No.	Name	Function
1	Vin+	Positive input terminal
2	Remote ON/OFF	ON/OFF control terminal
3	Case	Case input terminal
4	Vin-	Negative input terminal
5	Vo-	Negative output terminal
6	Sense-	Negative remote sense
7	Trim	Output voltage trim
8	Sense+	Positive remote sense
9	Vo+	Positive output terminal

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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