

15-24 Watts

AEH Series

[查询"AEH15US12"供应商](#)



- Output Voltages from 3- 48 VDC Available
- Non-Standard Outputs
- Universal Input
- +70 °C Operating Temperature
- High Efficiency - Up to 85%
- Class 1 Earthing
- Non-standard Connectors Available

Specification

Input

Input Voltage	• 90-264 VAC
Input Frequency	• 47-63 Hz
Input Current	• 0.4 A for AEH15, at 230 VAC • 0.7 A for AEH24, at 230 VAC
Inrush Current	• 15/30 A max at 115/230 VAC 100% load, cold start
Earth Leakage Current	• <0.5 mA max at 115 VAC/60Hz • <0.75 mA max at 230 VAC/50Hz

Output

Output Voltage	• See tables (factory set). Non-standard voltages available - contact sales
Initial Set Accuracy	• 5%
Start Up Delay	• 2 s max
Hold Up Time	• 20 ms min at full load and 115 VAC
Line Regulation	• See tables
Load Regulation	• See tables
Transient Response	• 4% max. deviation, recovery to within 1% in 500 μ s for a 25% load change
Ripple & Noise	• 2% pk-pk, 20 MHz BW
Overvoltage Protection	• 112-132% Vnom, auto reset
Overload Protection	• 112-132% of nominal, auto recovery
Temperature Coefficient	• $\pm 0.04\%$ /°C max

General

Efficiency	• Up to 85%
Isolation	• 3000 VAC Input to Output • 1500 VAC Input to Ground • 500 VAC Output to Ground
MTBF	• 100 kHrs per MIL-HDBK-217F

Environmental

Operating Temperature	• 0 °C to +70 °C, derate linearly from full load at +40 °C to half load at +70 °C
Operating Humidity	• 5-95 % RH, non-condensing
Storage Temperature	• -40 °C to +85 °C
Vibration	• 2 g on 3 axes

EMC & Safety

Emissions	• EN55022 level B, conducted and radiated
Harmonic Currents	• EN61000-3-2, Class A
Voltage Flicker	• EN61000-3-3
ESD Immunity	• EN61000-4-2, level 2 Perf Criteria A
Radiated Immunity	• EN61000-4-3, level 3 Perf Criteria A
EFT/Burst	• EN61000-4-4, level 2 Perf Criteria A
Surge	• EN61000-4-5, level 3 Perf Criteria A
Conducted Immunity	• EN61000-4-6, level 2 Perf Criteria A
Dips & Interruptions	• EN61000-4-11 30% 10 ms, 60% 100 ms, 100% 5000 ms Perf Criteria A, B, B
Safety Approvals	• EN60950, UL60950, CSA C22.2 No. 950 per cUL, UL60950

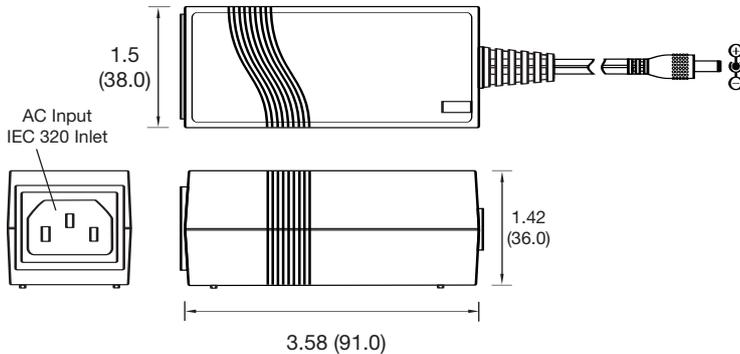
Models and Ratings

Output Power	Output Voltage Nominal ⁽¹⁾	Output Current		Total Regulation ⁽²⁾	Model Number
		Minimum	Maximum		
8.25 W	3.3 V	0.0 A	2.50 A	7%	AEH15US03
12.00 W	5.0 V	0.0 A	2.40 A	5%	AEH15US05
12.00 W	7.0 V	0.0 A	1.70 A	5%	AEH15US07
15.00 W	10.0 V	0.0 A	1.50 A	5%	AEH15US10
15.00 W	12.0 V	0.0 A	1.25 A	5%	AEH15US12
15.00 W	15.0 V	0.0 A	1.00 A	5%	AEH15US15
15.00 W	18.0 V	0.0 A	0.80 A	5%	AEH15US18
15.00 W	24.0 V	0.0 A	0.62 A	5%	AEH15US24
15.00 W	30.0 V	0.0 A	0.50 A	5%	AEH15US30
15.00 W	36.0 V	0.0 A	0.40 A	3%	AEH15US36
15.00 W	48.0 V	0.0 A	0.30 A	3%	AEH15US48

Notes

1. Factory-set non-standard outputs available in single output versions.
2. Total regulation includes initial set accuracy, line and load regulation.

Mechanical Details



Notes

1. Dimensions shown in inches (mm).
2. Tolerance 0.02 (0.5) max.
3. Output connector is 5.5mm outer diameter barrel. Inner diameter is 2.5mm with centre positive (+) and outer shell negative (-).
4. Output cable length is 72.0 (1830).
5. Optional output connectors available. Contact sales office.
6. Weight 0.3 lb (135 g) approx.
7. For UK mains lead order part: UK-MAINS-IEC. For European mains lead order part: EU-MAINS-IEC.

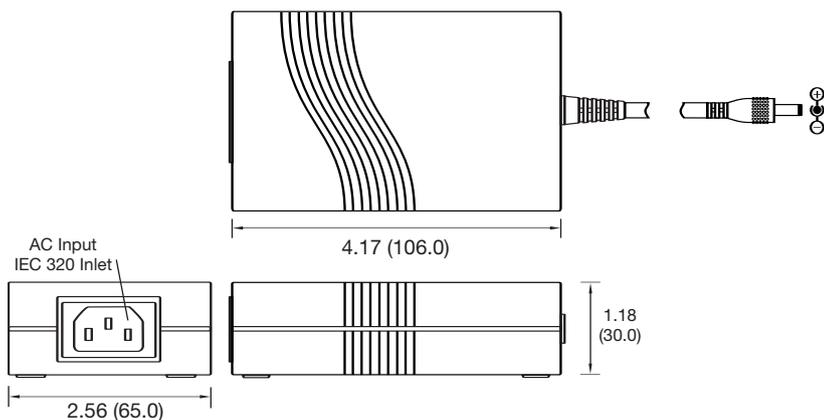
Models and Ratings

Output Power	Output Voltage Nominal ⁽¹⁾	Output Current		Total Regulation ⁽²⁾	Model Number
		Minimum	Maximum		
15.00 W	5.0 V	0.0 A	3.00 A	5%	AEH24US05
20.00 W	7.0 V	0.0 A	2.80 A	5%	AEH24US07
22.00 W	10.0 V	0.0 A	2.20 A	5%	AEH24US10
24.00 W	12.0 V	0.0 A	2.00 A	5%	AEH24US12
24.00 W	15.0 V	0.0 A	1.60 A	5%	AEH24US15
24.00 W	18.0 V	0.0 A	1.30 A	5%	AEH24US18
24.00 W	24.0 V	0.0 A	1.00 A	3%	AEH24US24
24.00 W	30.0 V	0.0 A	0.80 A	3%	AEH24US30
24.00 W	36.0 V	0.0 A	0.66 A	3%	AEH24US36
24.00 W	48.0 V	0.0 A	0.50 A	2%	AEH24US48

Notes

1. Factory-set non-standard outputs available in single output versions.
2. Total regulation includes initial set accuracy, line and load regulation.

Mechanical Details



Notes

1. Dimensions shown in inches (mm).
2. Tolerance 0.02 (0.5) max.
3. Output connector is 5.5mm outer diameter barrel. Inner diameter is 2.5mm with centre positive (+) and outer shell negative (-).
4. Output cable length is 72.0 (1830).
5. Optional output connectors available. Contact sales office.
6. Weight 0.47 lb (215 g) approx.
7. For UK mains lead order part: UK-MAINS-IEC. For European mains lead order part: EU-MAINS-IEC.