

## KSAH SERIES:



### 55 Watt External / Desktop Package

- Measures only 4.33 x 2.07 x 1.44"

#### Features:

- Universal AC Input
- UL-94V0 Rated External Desktop Package
- Green Power / CEC Level IV Compliant
- International Safety Approvals
- 2 Year Warranty

#### INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	60A @ 240 VAC Cold Start
Input Protection	Single Fuse
Hold-Up Time	20ms @ 80% Load
Leakage Current	<1500µA @ 240 VAC Maximum
Power Factor	EN61000-3-2 Class A Compliant
No Load Input Power	CEC Level IV Compliant

#### GENERAL:

Efficiency	75% minimum (230 VAC / Full Load)
Operating Temperature	0-40°C Full Load, derate linearly to 50% Load at 50°C
Storage Temperature	-20°C to +80°C
Over-Temp Protection	>80°C Shutdown (Ambient)
Cooling	Convection
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

#### OUTPUT:

Setpoint Accuracy	±5%
Minimum Load	none
Regulation	±5% max
Ripple & Noise	±1% typical pk-pk @ 20MHz
Overload Protection	115-140% of max power (Hiccup Mode)
Over Voltage	Latching before 130% of nominal
Short Circuit Protection	Trip without damage & auto-recovery
Overshoot	Turn-on & off overshoot < 5% over nominal voltage

#### EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

#### APPROVALS:

Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950-1  
 CSA22.2 No. 60950-1  
 TÜV EN60950-1  
 PSE, CCC, BEAB



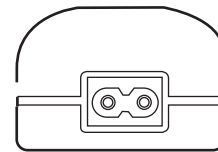
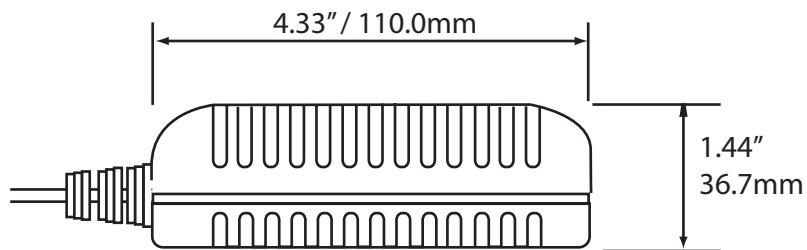
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### Output Specifications:

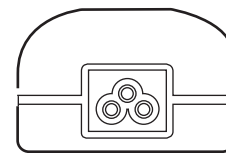
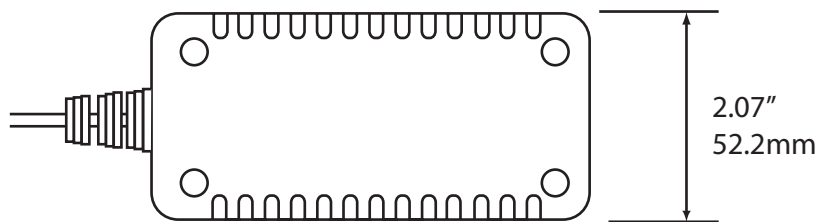
Model:	Output (V)	Output (A)
KSAH0500500T1M2-cc	5VDC	5.00A
KSAH0750500T1M2-cc	7.5VDC	5.00A
KSAH0900500T1M2-cc	9.0VDC	5.00A
KSAH1200458T1M2-cc	12VDC	4.58A
KSAH1350407T1M2-cc	13.5VDC	4.07A
KSAH1500367T1M2-cc	15VDC	3.67A
KSAH1800306T1M2-cc	18VDC	3.06A
KSAH1900289T1M2-cc	19VDC	2.89A
KSAH2000275T1M2-cc	20VDC	2.75A
KSAH2400229T1M2-cc	24VDC	2.29A
KSAH2800196T1M2-cc	28VDC	1.96A
KSAH3600153T1M2-cc	36VDC	1.53A
KSAH4800114T1M2-cc	48VDC	1.14A

- Consult APS for other output voltage requirements
- "cc" is utilized to designate output cable length and connector.
- See APS website for standard connector options ( <http://www.advpower.com/dcconnector.pdf> )
- Standard Input Connector is 2-prong / IEC-320 C8 Inlet. Add suffix M3 for 3-Prong / IEC-320 C6 Inlet.

### OUTLINE DRAWING:



2-PRONG  
IEC-320 C8 INLET  
(STANDARD)



3-PRONG  
IEC-320 C6 INLET  
(ADD SUFFIX M3)