

A3-50S SERIES:



50 Watts / Single Output

- 4.76 x 2.36 x 1.30" Desktop Package

Features:

- Universal AC Input (90~264 VAC Input Range)
- IEC-320 C6 / C8 / C14 Inlet Options
- Over Voltage / Current / Temperature Protection Circuits
- International Safety Approvals
- Class B Emissions
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	100A @ 230 VAC (Max Cold Start)
Input Current	1500mA maximum
Input Protection	Single Fuse
Hold-Up Time	10ms Minimum
Leakage Current	750µA @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class D Compliant

GENERAL:

Efficiency	85% minimum
Operating Temperature	0-35°C, derate linearly to 50% Load at 50°C
Storage Temperature	-20°C to +85°C
Cooling	Convection Cooled
Operating Humidity	5-95% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs at 25°C Full load

OUTPUT:

Minimum Load	n/a
Regulation	±5% max
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	130~160% of I _{max} (auto-recovery)
Over Voltage	115~150% of nominal (latching)

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 Class B

Safety Approvals UL/cUL 60950-1
TUV/GS EN60950-1
BSMI
CE Mark (LVD)



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Output Specifications:

Model:	Vout	Max Output Current
A3-50S12R-x	12V	4166mA
A3-50S135R-x	13.5V	3700mA
A3-50S15R-x	15V	3333mA
A3-50S18R-x	18V	2777mA
A3-50S19R-x	19V	2631mA
A3-50S20R-x	20V	2500mA
A3-50S24R-x	24V	2083mA
A3-50S28R-x	28V	1785mA
A3-50S48R-x	48V	1041mA

- Designate IEC-320 Inlet option by replacing "x" with:

U = C8

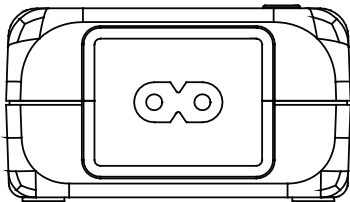
V = C14

W = C6

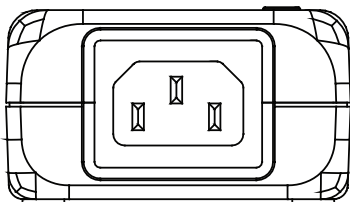
- Additional suffix to designate output connector is required, see connector options at <http://advpower.com/dcconnector.pdf>
- Standard Output Cable Length is 6 feet.

MECHANICAL:

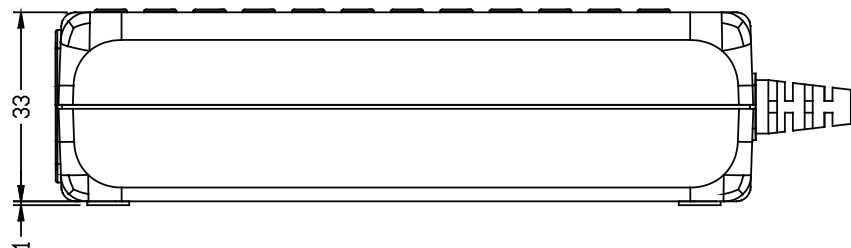
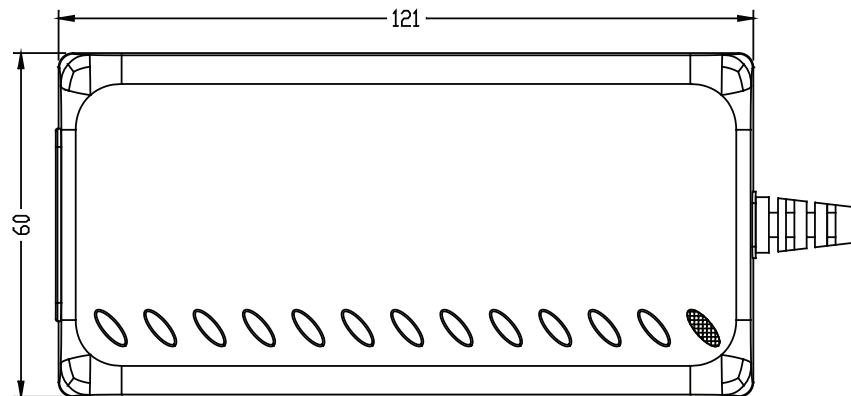
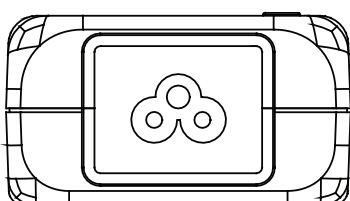
U



V



W



Unit: m.m.