

## A7-80/90S SERIES:



### 80~90 Watts / Single Output

- 5.31 x 2.56 x 1.50" Desktop Package

#### Features:

- Universal AC Input (90~264 VAC Input Range)
- Active Power Factor Correction
- IEC-320 C8 / C14 Inlet Options
- Over Voltage / Current / Temperature Protection Circuits
- International Safety Approval
- Class B Emissions

#### INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	100A @ 230 VAC (Max Cold Start)
Input Current	2000mA 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 <sup>2</sup> on X,Y and Z Axis
MTBF	>100k Hrs at 25°C Full load

#### OUTPUT:

Minimum Load	n/a
Regulation	±5% max
Ripple & Noise	±1.5% typ. pk-pk @ 20MHz
Overload Protection	130~160% of I <sub>max</sub> (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)



## A7-80/90S SERIES:

### Output Specifications:

Model:	Vout	Max Output Current
A7-80S12R-x	12V	6666mA
A7-80S135R-x	13.5V	5926mA
A7-80S15R-x	15V	5333mA
A7-90S18R-x	18V	5000mA
A7-90S19R-x	19V	4738mA
A7-90S20R-x	20V	4500mA
A7-90S24R-x	24V	3750mA
A7-90S28R-x	28V	3214mA
A7-90S48R-x	48V	1875mA

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

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:

