

## PA1024 SERIES:



### 24 Watts / Single Output

- 3.37 X 1.98 X 1.37" UL94V-0 Plastic Case (Desktop)

### Features:

- Universal AC Input (90~264 VAC Input Range)
- CEC Green Power Compliant (Level 4)
- Class B Emissions
- International Safety Approvals
- 2 Year Warranty

### INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	40A @ 230 VAC Cold Start
Input Current	300mA maximum
Input Protection	Single Fuse
Hold-Up Time	10ms Minimum
Leakage Current	<750 $\mu$ A @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class A Compliant
Green Power	Less than 0.37W @ 132 VAC (No Load) Less than 0.50W @ 264 VAC (No Load)

### OUTPUT:

Minimum Load	n/a
Line Regulation	$\pm$ 1% max
Load Regulation	$\pm$ 5% max
Ripple & Noise	$\pm$ 1% typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power (Foldback)
Over Voltage	Latching >130% of nominal
Short Circuit Protection	Continuous (auto-recovery)

### GENERAL:

Efficiency	70~82% typical
Operating Temperature	0-40°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	>50k Hrs (according to MIL-HBK-217F) at 25°C

### EMC:

Electrostatic Discharge	EN61000-4-2, $\pm$ 4KV Contact / $\pm$ 8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, $\pm$ 2KV
Surges	EN61000-4-5, $\pm$ 2KV Line-Earth, $\pm$ 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

Safety Approvals are pending

### APPROVALS:

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

Safety Approvals UL/cUL 60950-1  
CB EN60950-1  
CEC Level IV  
CE Mark (LVD)

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Output Specifications:			
Model:	Vout	Max Output Current	Factory VDC Setpoint Range
PA1024-033T1A	3.3V	3.00A	3.0~4.5V
PA1024-050T1A	5.0V	3.00A	4.9~7.0V
PA1024-075T1A	7.5V	2.67A	7.1~10.5A
PA1024-090T1A	9.0V	2.22A	7.1~10.5A
PA1024-120T1A	12V	2.00A	10.6~15.0V
PA1024-135T1A	13.5V	1.78A	10.6~15.0V
PA1024-150T1A	15V	1.60A	10.6~15.0V
PA1024-180T1A	18V	1.33A	15.1~21.0V
PA1024-200T1A	20V	1.20A	15.1~21.0V
PA1024-240T1A	24V	1.00A	21.1~30.0V
PA1024-360T1A	36V	0.67A	30.1~40.0V
PA1024-480T1A	48V	0.50A	40.1~50.0V

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

### OUTLINE DRAWING:

