



Size: 5.2in x 2.72in x 1.57in (132mm x 69mm x 40mm)

FEATURES

- Input Voltage Range 90-264VAC
- Meets Efficiency Level VI
- 3-Pole IEC320-C14 AC inlet, Class I
- Output voltage range from 9V to 48V
- No Load Power Consumption <150mW
- Power ON LED indicator
- 3 Year Warranty
- Short Circuit, Over Load, Over Voltage Protection
- Meets UL 60950-1, UL62368-1, CSA C22.2-No.60950-1, CSA C22.2-No.62638-1, TUV EN60950-1, TUV EN62368-1, CB IEC60950-1, and CB IEC62368-1 Safety standards
- Meets FCC Class B, CISPR22 Class B, EN 55022 Class B, and CE EMC Standards

DESCRIPTION

The DTA-080A4 series of AC/DC desktop power supplies provides 80 Watts of continuous output power. All models have a single output and are RoHS and Efficiency Level VI compliant. The series includes and IEC320-C14 AC inlet and an LED power On indicator. All models have short circuit, over load, and over voltage protection along with a 3 year warranty.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise(Vp-p) ⁽¹⁾	O/P Regulation	Output Power	Efficiency	EU ErP
DTA-072A4-1Y090A	90-264VAC	9V	8A	240mV	±5%	72W	VI	Tier 1
DTA-080A4-1Y120A		12V	6.67A	240mV	±5%	80W	VI	Tier 2
DTA-080A4-1Y150A		15V	5.34A	240mV	±5%	80W	VI	Tier 2
DTA-080A4-1Y180A		18V	4.45A	240mV	±5%	80W	VI	Tier 2
DTA-080A4-1Y240A		24V	3.34A	240mV	±5%	80W	VI	Tier 2
DTA-080A4-1Y280A		28V	2.86A	240mV	±5%	80W	VI	Tier 2
DTA-080A4-1Y480A		48V	1.67A	240mV	±5%	80W	VI	Tier 2

SPECIFICATIONS

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Power Factor	@115VAC at Full Load @230VAC at Full Load	0.95 0.90			
Inrush Current	Peak @115VAC Cold Start @25°C Peak @230VAC Cold Start @25°C			75 150	A
Input Current (rms)	@90VAC @264VAC			2 1	A
OUTPUT SPECIFICATIONS					
Output Voltage		9		48	V
Output Power		72		80	W
Ripple & Noise (Vp-p) ⁽¹⁾			240		mV
Hold-Up Time	@Full Load, 115VAC	20			ms
PROTECTION					
Short Circuit Protection				Auto-Recovery	
Over Load Protection				Auto-Recovery	
Over Voltage Protection				Shutdown and latch off, AC recycle	
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Derate linearly 2.5% per °C from 41 to 60°C	0		60	°C
Storage Temperature		-10		85	°C
Humidity		10		90	%
MTBF	@Full Load and 25°C ambient temperature	120,000			hrs
GENERAL SPECIFICATIONS					
Efficiency	9V Model @Average Load, 115/230VAC	88 89			%

SPECIFICATIONS

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SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
PHYSICAL SPECIFICATIONS					
Weight		0.97lbs (0.44kgs)			
Dimensions (L x W x H)		5.2in x 2.72in x 1.57in (132mm x 69mm x 40mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Standards ⁽²⁾	UL 60950-1				
	UL 62368-1				
	CSA C22.2- No.60950-1				
	CSA C22.2- No. 62368-1				
	TUV EN60950-1				
	TUV EN62368-1				
	CB IEC60950-1				
EMC Standards	CB IEC62368-1				
	FCC	Class B			
	CISPR22	Class B			
	EN55022	Class B			
	CE				

NOTES

- (1) Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10µF electrolytic capacitor and a 0.1µF ceramic capacitor in parallel at output connector.
- (2) This product is Listed to applicable standards and requirements by UL.

Due to advances in technology, specifications are subject to change without notice.

MECHANICAL DRAWINGS

The drawings show the following dimensions and features:

- Top View:** Overall length 132.0, height 69.00. Features include a 2.5mm Power LED (10.0 from left edge), a Label Area, and a DC Output Cable connector (23.0 from top edge).
- Front View:** Shows the AC inlet and output terminals.
- Side View:** Overall height 40.00, with 4X Rubber Feet (1.4 from bottom edge).

Note:

1. AC Inlet: IEC320-C14
2. Plastic Case Color: Black
3. Tolerance: ±0.5mm
4. Unit: mm

Standard Output Cable

1. AWM1571 #14 AWG/1C + SHIELDING, UL 80°C 30V VW-1, 1050mm
2. AWM1185 #16 AWG/1C + SHIELDING, UL 80°C 300V VW-1, 1050mm
3. Depends on customer requirements.

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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