



Size:
6.69 x 3.35 x 1.73 inches
170.0 x 85.0 x 44.0 mm

Weight:
1.72 lbs (780g)

FEATURES

- Class I
- RoHS Compliant
- 90~264 VAC Input Voltage Range
- 89% High Efficiency
- AC Inlet: IEC-320-C14 Inlet
- No Load Power Consumption < 150mW
- Power Factor >0.95 @ 115VAC and >0.90 @230VAC
- Over Voltage, Over Load, and Short Circuit Protection
- Meets DOE Level VI and EU ErP Tier 2 Efficiency Requirements
- UL60950-1, UL 62368-1, CSA C22.2-No.60950-1, CSA C22.2-No.62368-1, TUV EN60950-1, TUV EN62368-1, CB IEC60950-1 and CB IEC 62368-1 Safety Approvals

DESCRIPTION

The DTA150A-H series of Class I AC/DC desktop power supplies provides up to 150 Watts output power in a 6.69 x 3.35 x 1.73 inch package. This series consists of single output models ranging from 12VDC to 48VDC with a 90~264VAC input voltage range and an IEC-320-C14 AC inlet connector. These supplies also feature no load power consumption <150mW and 89% typical efficiency. These supplies are protected against short circuit, over voltage, and over load conditions and have U L60950-1, UL 62368-1, CSA C22.2-No.60950-1, CSA C22.2-No.62368-1, TUV EN60950-1, TUV EN62368-1, CB IEC60950-1 and CB IEC 62368-1 safety approvals. All models are DOE Level VI and EU ErP Tier 2 compliant.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage ⁽¹⁾	Output Current		Output Power	Ripple & Noise ⁽²⁾	Output Regulation
			Min	Max			
DTA-140A-1Y120H	90 - 264 VAC	12 VDC	0A	11.67A	140W	240mVp-p	±5%
DTA-150A-1Y160H		16 VDC	0A	9.38A	150W	320mVp-p	±5%
DTA-150A-1Y190H		19 VDC	0A	7.90A	150W	380mVp-p	±5%
DTA-150A-1Y240H		24 VDC	0A	6.25A	150W	480mVp-p	±3%
DTA-150A-1Y360H		36 VDC	0A	4.17A	150W	480mVp-p	±3%
DTA-150A-1Y480H		48 VDC	0A	3.13A	150W	480mVp-p	±3%

TECHNICAL SPECIFICATIONS: DTA150A-H SERIES

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.

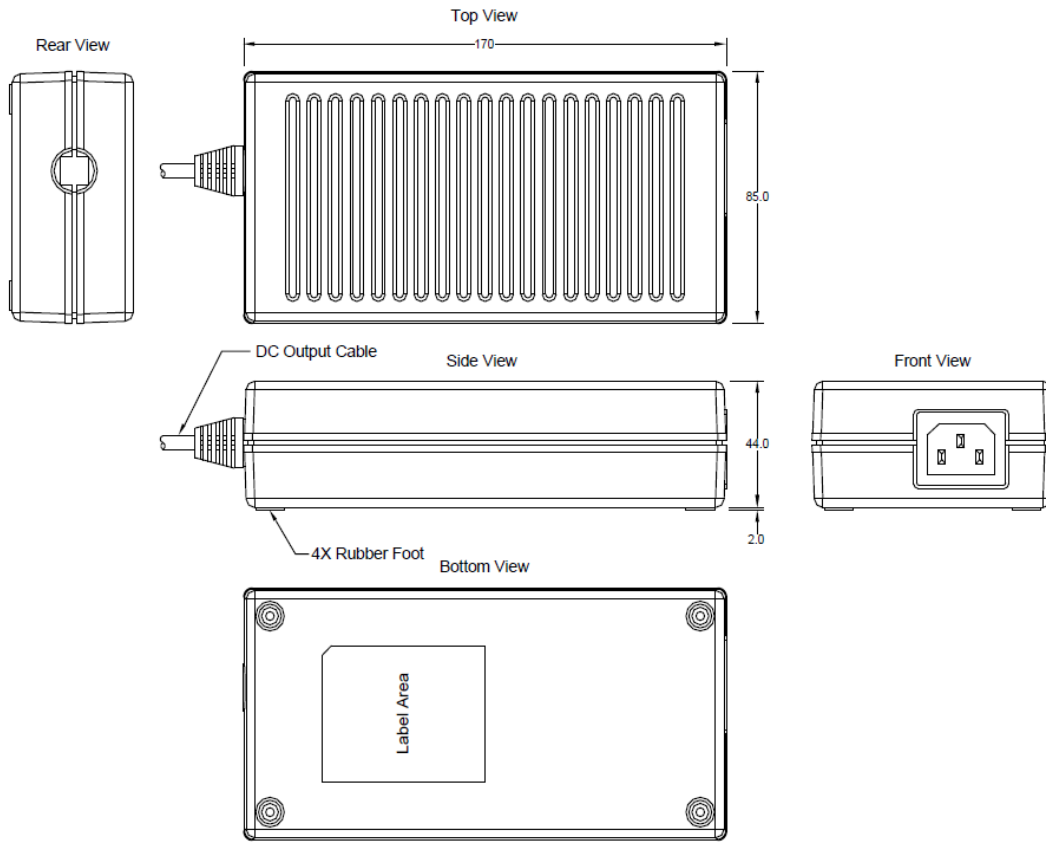
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Input Current (rms)	90VAC and full load			2.5	A
	264VAC and full load			1.25	
Inrush Current	115VAC, cold start, 25°C			75	A _{peak}
	230VAC, cold start, 25°C			150	
No Load Power Consumption				150	mW
Power Factor Correction	115VAC and full load	0.95			
	230VAC and full load	0.90			
OUTPUT SPECIFICATIONS					
Output Voltage			See Table		
Output Regulation			See Table		
Output Power			See Table		
Output Current			See Table		
Ripple & Noise ⁽²⁾			See Table		
Hold-up Time	115VAC and full load	16			ms
PROTECTION					
Over Voltage Protection		Shutdown and latch-off, AC recycle			
Over Load Protection		Automatic Recovery			
Short Circuit Protection		Automatic Recovery			
GENERAL SPECIFICATIONS					
Efficiency	Average Load, 115VAC/230VAC	89			%
ENVIRONMENTAL SPECIFICATIONS					
Operating Ambient Temperature	Derating linearly 2.5% per °C from 41°C to +60°C	0		+60	°C
Storage Temperature Range		-10		+85	°C
Humidity		20		90	%
MTBF	Full load and 25°C ambient temperature	140,000			hours
PHYSICAL SPECIFICATIONS					
AC Inlet		IEC-320-C14			
Weight		1.72 lbs (780g)			
Dimensions (L x W x H)		6.69 x 3.35 x 1.73 inch (170.0 x 85.0 x 44.0 mm)			
SAFETY & EMC					
Safety Approvals ⁽⁴⁾	UL60950-1, UL 62368-1, CSA C22.2-No.60950-1, CSA C22.2-No. 62368-1, TUV EN60950-1, TUV EN62368-1, CB IEC60950-1, CB IEC 62368-1				
EMC Standards	FCC Class B, CISPR22 Class B, EN55022 Class B, CE				

NOTES

- Other output voltages are available: 140W for 12~24VDC, 150W for 15~26VDC, 33~39VDC, and 44~52VDC. Please call factory for ordering details.
- Ripple & noise are measured at 20MHz limited bandwidth and with a 10µF electrolytic capacitor and a 0.1µF ceramic capacitor in parallel at output connector.
- Several output connectors available; please call factory for ordering details.
- This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWING



Notes:

1. AC Inlet: IEC320-C14
2. Plastic Case Color: Black
3. Tolerance: $\pm 0.5\text{mm}$
4. Unit=mm

Standard Output Cable

1. AWM 1571 #14 AWG/ 1C + SHIELDING, UL 80°C 30V VW-1, 1050 mm. (12-24V)
2. AWM 1185 #16 AWG/ 1C + SHIELDING, UL 80°C 300V VW-1, 1050 mm. (36-48V)
3. Depends on Customers 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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