

Wall Industries, Inc.

DTA-060A SERIES

**90 ~ 264VAC Input Voltage Range
Single Output, Up to 60 Watts
IEC-320-C14 AC Inlet
AC/DC Desktop Power Supplies**



IEC-320-C14 AC Inlet

FEATURES

- Up to 60W
- Single Output
- RoHS Compliant
- Output Voltages Available from 9VDC to 24VDC
- 100% Burn-In and Hi-Pot Tested
- Wide Input Voltage Range: 90~264VAC, 47~63Hz
- High Reliability
- Over Voltage, Over Load, and Short Circuit Protection
- IEC-320-C14 AC Inlet
- UL60950-1, TUV EN60950-1, IEC 60950-1, and CSA C22.2-No.60950-1 Safety Approvals

DESCRIPTION

The DTA-060A series offers up to 60 watts of output power in a single output 90~264VAC input desktop power supply. This series has UL60950-1, TUV EN60950-1-2, IEC 60950-1, and CSA C22.2-No.60950-1 safety approvals. All units are short circuit, over voltage, and over load protected. All models have an IEC-320-C14 AC inlet and output voltages range from 9 to 24VDC. These supplies are RoHS compliant and have been 100% burn-in and Hi-pot tested.

SPECIFICATIONS: DTA-060A 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.

INPUT SPECIFICATIONS

Input Voltage Range	90 ~ 264VAC (Full Range)
Input Frequency	47 ~ 63Hz
Input Current (rms)	2A at 90VAC max. 1A at 264VAC max.

OUTPUT SPECIFICATIONS

Output Current	See Table
Output Voltage	See Table
Voltage Regulation	See Table
Output Power	See Table
Ripple & Noise (<i>See Note 1</i>)	±1%
Hold Up Time	> 10ms typical at full load and 115VAC

PROTECTION

Short Circuit Protection	Auto-recovery
Over Voltage Protection	Auto-recovery
Over Load Protection	Auto-recovery

GENERAL SPECIFICATIONS

Efficiency	> 75% at full load and 115VAC
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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +70°C
Humidity	20% to 90%
MTBF	> 80,000 hours at full load and 25°C ambient temperature

PHYSICAL SPECIFICATIONS

Dimensions (L x W x H)	5.20 x 2.72 x 1.57 inches (132.0 x 69.0 x 40.0 mm)
Net Weight	11.3oz (320g)
AC Input	IEC-320-C14

SAFETY & EMI

Safety Standards	UL 60950-1 ⁽²⁾ , CSA C22.2-No.60950-1, TUV EN60950-1, CB IEC60950-1
EMI Standards	FCC Class B, CISPR22 Class B, EN 55022 Class B, CE

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽¹⁾	Output Regulation	Output Power
DTA-040A-01Y090	90 ~264 VAC	9 VDC	4.4 A	90mVp-p	5%	40W
DTA-040A-01Y120	90 ~264 VAC	12 VDC	3.3 A	120mVp-p	5%	40W
DTA-040A-01Y130	90 ~264 VAC	13 VDC	3.1 A	130mVp-p	5%	40W
DTA-040A-01Y138	90 ~264 VAC	13.8 VDC	2.9 A	140mVp-p	3%	40W
DTA-060A-01Y140	90 ~264 VAC	14 VDC	4.2 A	140mVp-p	3%	60W
DTA-060A-01Y150	90 ~264 VAC	15 VDC	4 A	150mVp-p	3%	60W
DTA-060A-01Y160	90 ~264 VAC	16 VDC	3.8 A	160mVp-p	3%	60W
DTA-060A-01Y170	90 ~264 VAC	17 VDC	3.5 A	170mVp-p	3%	60W
DTA-060A-01Y180	90 ~264 VAC	18 VDC	3.4 A	180mVp-p	3%	60W
DTA-060A-01Y190	90 ~264 VAC	19 VDC	3.2 A	190mVp-p	3%	60W
DTA-060A-01Y200	90 ~264 VAC	20 VDC	3.0 A	200mVp-p	3%	60W
DTA-060A-01Y210	90 ~264 VAC	21 VDC	2.9 A	210mVp-p	3%	60W
DTA-060A-01Y220	90 ~264 VAC	22 VDC	2.7 A	220mVp-p	3%	60W
DTA-060A-01Y230	90 ~264 VAC	23 VDC	2.6 A	230mVp-p	3%	60W
DTA-060A-01Y240	90 ~264 VAC	24 VDC	2.5 A	240mVp-p	3%	60W

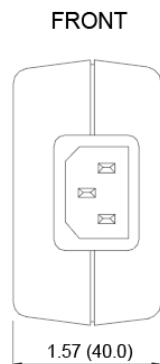
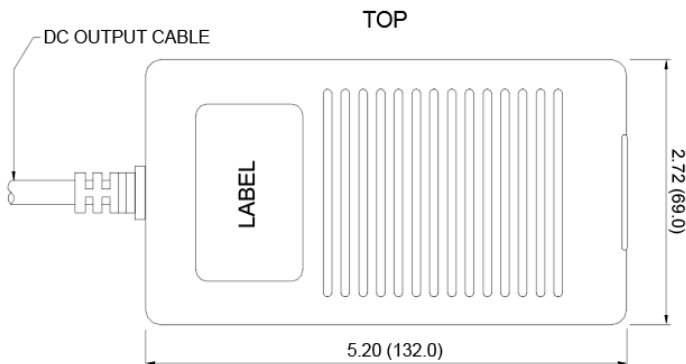
NOTES

1. Ripple and Noise is measured at 20MHz bandwidth with a tantalum 10µF in parallel with a 0.1µF ceramic capacitor.
2. This product is Listed to applicable standards and requirements by UL.

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

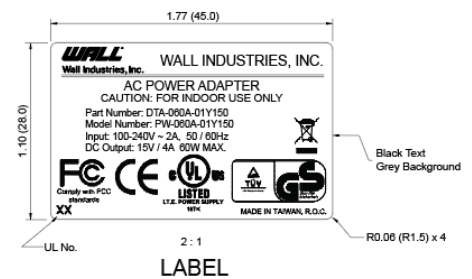
MECHANICAL DRAWINGS

Unit: inches (mm)



NOTES

1. AC Inlet: IEC-320-C14 Standard
2. Box Color: Black
3. Tolerance: ±0.5mm



STANDARD OUTPUT CABLE

1. AWM 1185#18AWG/1C+SHIELDING, UL 80°C 300V VW-1, 1050 mm.
2. AWM 2464#18/20AWG/4C+SHIELDING, UL 80°C 300V VW-1, 1050 mm.
3. Depends on customer's 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.

Contact **Wall Industries** for further information:

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