



Size: 6.69in x 2.55in x 1.52in (170mm x 64.8mm x 38.5mm)

OPTIONS

- Output Voltage
- Output Cable

FEATURES

- 3-Pole IEC320-C14 AC Inlet, Class I
- Output Voltage Range from 12V-48V
- Meets Efficiency Level VI & CoC V5 Tier 2 Requirements
- Short Circuit, Over Load, and Over Voltage Protection
- RoHS Compliant
- UL 60950-1, CSA C22.2-No. 60950-1, TUV EN60950-1, CB IEC 60950-1 Safety Approvals
- No Load Power Consumption <150mW
- Power On LED Indicator
- 2 Year Warranty

DESCRIPTION

The DTA-120A2 series of AC DC switching power supplies offers 120 watts of output power in a 6.69" x 2.55" x 1.52" package. This series has single output models with a universal input range of 90-264VAC. Some features of this series include a 3-pole IEC320-C14 AC inlet and power On LED indicator. All models are Efficiency Level VI and RoHS compliant. Models are also protected against short circuit, over load, and over voltage conditions and have UL 60950-1, CSA C22.2-No.60950-1, TUV EN60950-1, CB IEC 60950-1 safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽¹⁾	Output Regulation	Output Power	Efficiency Level
DTA-120A2-1Y120G	90-264VAC	12V	10A	240mV	±5%	120W	VI
DTA-120A2-1Y150G		15V	8A	240mV	±5%	120W	
DTA-120A2-1Y190G		19V	6.32A	240mV	±5%	120W	
DTA-120A2-1Y240G		24V	5A	240mV	±5%	120W	
DTA-120A2-1Y280G		28V	4.29A	240mV	±5%	120W	
DTA-120A2-1Y480G		48V	2.5A	240mV	±5%	120W	

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.

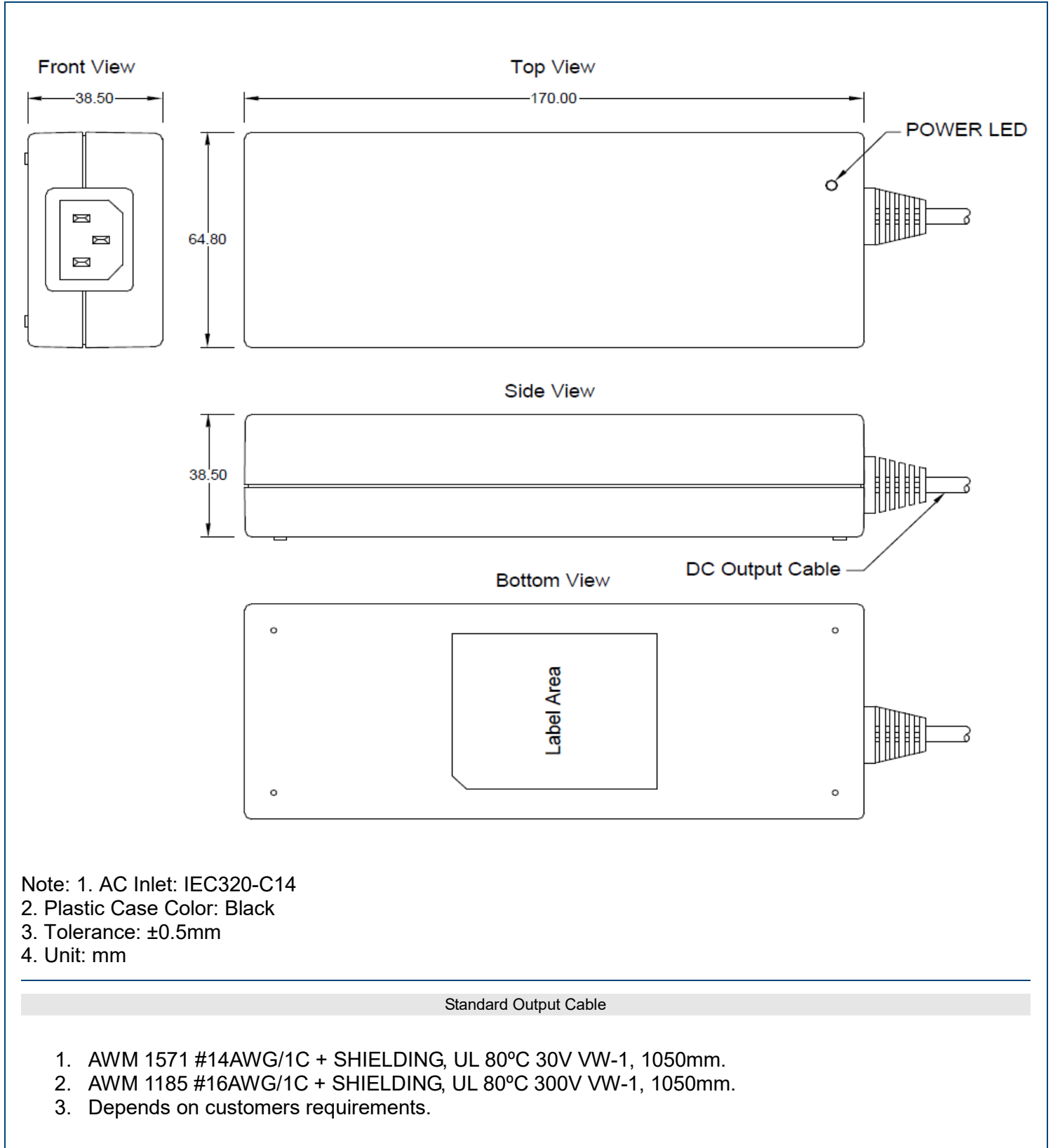
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	Peak@115VAC cold start @25°C			75	A
	Peak@230VAC cold start @25°C			150	
Input Current (rms)	@90VAC			3	A
	@264VAC			1.5	
Power Factor	@115VAC		>0.95		
	@230VAC @Full Load		>0.90		
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Output Power				120	W
Output Current		See Table			
Output Regulation			±5		%
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 2.0% per °C from 41 to 70°C & derate linearly 1.0% per °C from 0 to -20°C	-20		70	°C
Storage Temperature		-20		85	°C
Humidity		10		90	%
MTBF	@Full Load and 25°C ambient temperature (Bellcore TR-332)	500,000			Hours
GENERAL SPECIFICATIONS					
Efficiency	@Average Load, 115/230VAC	89			%
PHYSICAL SPECIFICATIONS					
Weight		1.34lbs (610g)			
Dimensions (L x W x H)		6.69 x 2.55 x 1.52in (170 x 64.8 x 38.5mm)			
Case Material		Plastic			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL 60950-1 ⁽²⁾ CSA C22.2-No. 60950-1 TUV EN60950-1 CB IEC 60950-1			
EMC Standards		FCC CISPR22 EN 55022 CE			
					Class B Class B Class B

NOTES

- (1) Ripple & Noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF 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 subject to change without notice.*

MECHANICAL DRAWINGS



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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