



Size: 7.76in x 3.94in x 2.01in (197mm x 100mm x 51mm)

FEATURES

- Active PFC Function
- Level V, VI Compliance
- RoHS Compliance
- AC Inlet IEC320-C14
- Output Voltages Ranging from 12V to 56V
- Over Voltage, Over Current, and Over Temperature Protection
- LED Indication
- MTBF >30,000 hours
- Input Voltage 100-240VAC
- Optional Output Connectors Available

DESCRIPTION

The DTEA1300 series of AC DC desktop power supplies offers up to 310 watts of output power in a 7.76" x 3.94" x 2.01" package. This series consists of single model outputs with an output voltage range from 12V~56V. Each model has Efficiency Level V, VI as well as RoHS compliance. Each model also has AC Inlet IEC320-C14 and active PFC function. The DTEA1300 series is protected against over voltage, over current, and over temperature conditions and has UL60950 and EN/IEC 60950 safety approvals.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽¹⁾	Output Power	Efficiency
			Min Load	Max Load			
DTEA13001A	100-240VAC	12~16V	0A	19.16A	240mV	230W	Level V, VI
DTEA13001B		12~16V	0A	20.0A	240mV	240W	
DTEA13001C		12~16V	0A	20.83A	240mV	250W	
DTEA13001D		19~24V	0A	13.68A	360mV	260W	
DTEA13001E		19~24V	0A	14.21A	360mV	270W	
DTEA13001F		32~42V	0A	8.43A	630mV	270W	
DTEA13001G		44~56V	0A	6.13A	840mV	270W	
DTEA13001H		19~24V	0A	14.73A	360mV	280W	
DTEA13001M		19~24V	0A	15.26A	360mV	290W	
DTEA13001N		19~24V	0A	15.78A	360mV	300W	
DTEA13001P		32~42V	0A	9.68A	630mV	310W	
DTEA13001Q		44~56V	0A	7.04A	840mV	310W	

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		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤4		A
Inrush Current	At Cold Start		≤150		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽²⁾			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)		See Table			
Hold-Up Time			≥8.3		mS
Turn-On Time			≤3		S
PROTECTION					
Short Circuit Protection		Auto-Recovery			
Over Current Protection		Auto-Recovery			
Over Voltage Protection		Latch Off			
Over Temperature Protection		Latch Off			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		95	%
MTBF		30,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level V, VI			
PHYSICAL SPECIFICATIONS					
Weight		3.75lbs (1.7Kg)			
Dimensions (L x W x H)		7.76in x 3.94in x 2.01in (197mm x 100mm x 51mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL60950 ⁽³⁾ EN/IEC 60950			

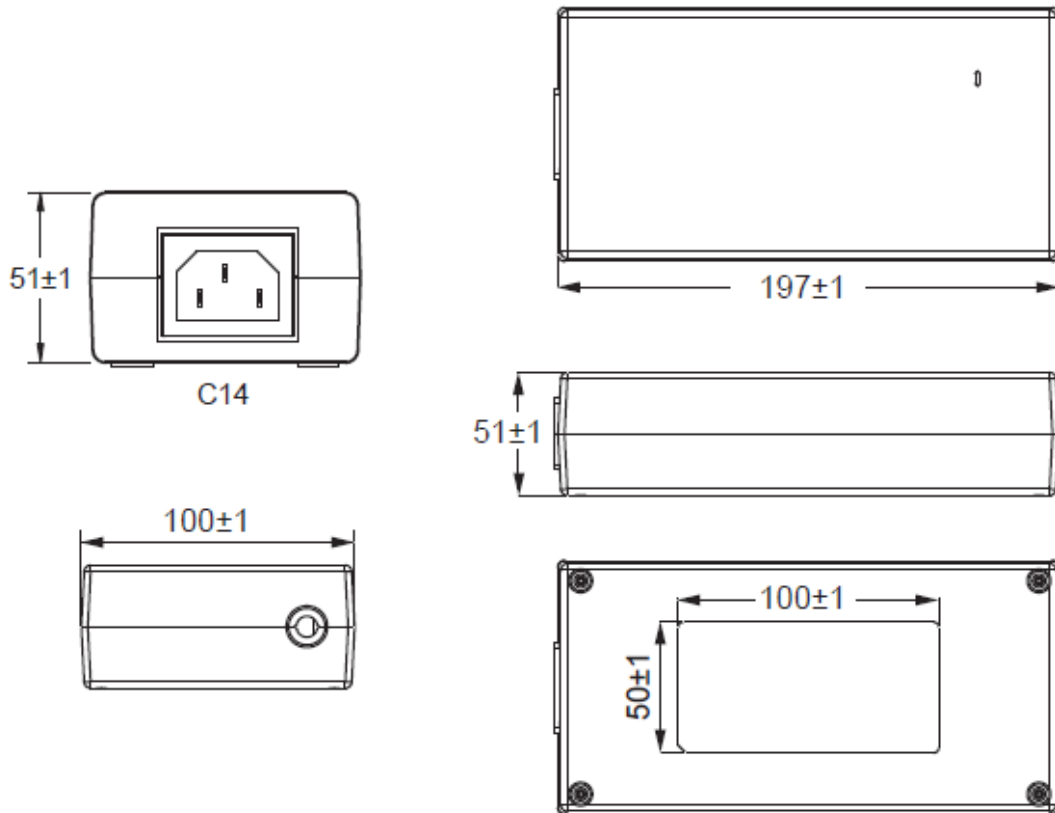
NOTES

- (1) Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- (2) Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- (3) This product is Listed to applicable standards and requirements by UL.

**Due to advance in technology, specifications subject to change without notice*

MECHANICAL DRAWINGS

Mechanical Drawing



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:

Phone: ☎ (603)778-2300
Toll Free: ☎ (888)597-9255
Fax: ☎ (603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

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