



C14                  C8                  C6                  C18

Size: 3.94in x 1.77in x 1.22in (100mm x 45mm x 31mm)

**FEATURES**

- Wide Input Voltage Range of 100 to 240VAC
- RoHS Compliance
- LED Indication
- IEC-320-C14, C8, C6 or C18 Optional AC Inlets Available
- USB Type C
- Meets DOE Level VI
- Over Voltage, Over Current, Optional Over Temperature, and Short Circuit Protection
- 500pc MOQ
- UL/cUL, CB, CE, FCC, and CCC Safety Approvals

**DESCRIPTION**

The DTEA1045 series of AC/DC desktop power supplies offers up to 45 watts of output power in a 3.94" x 1.77" x 1.22" package. This series consists of single output models with a wide input voltage range of 100 to 240VAC and optional input inlets. Each model in this series has LED indication, USB Type C, meets DoE level VI, has over voltage, over current, optional over temperature, and short circuit protection. This series has UL/cUL, CB, CE, FCC and CCC safety approvals.

**MODEL SELECTION TABLE**

Model Number <sup>(1)</sup>	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise <sup>(2)</sup>	Output Power
			Min Load	Max Load		
DTEA1045A1x	100-240VAC	5V	0A	3.0A	100mV	30W
DTEA1045A2x		9V	0A	3.0A	180mV	30W
DTEA1045A3x		15V	0A	2.0A	300mV	30W
DTEA1045A4x		20V	0A	1.5A	360mV	30W
DTEA1045B1x		5V	0A	3.0A	100mV	36W
DTEA1045B2x		9V	0A	3.0A	180mV	36W
DTEA1045B3x		15V	0A	2.4A	300mV	36W
DTEA1045B4x		20V	0A	1.8A	360mV	36W
DTEA1045C1x		5V	0A	3.0A	100mV	45W
DTEA1045C2x		9V	0A	3.0A	180mV	45W
DTEA1045C3x		15V	0A	3.0A	300mV	45W
DTEA1045C4x		20V	0A	2.25A	360mV	45W

**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.

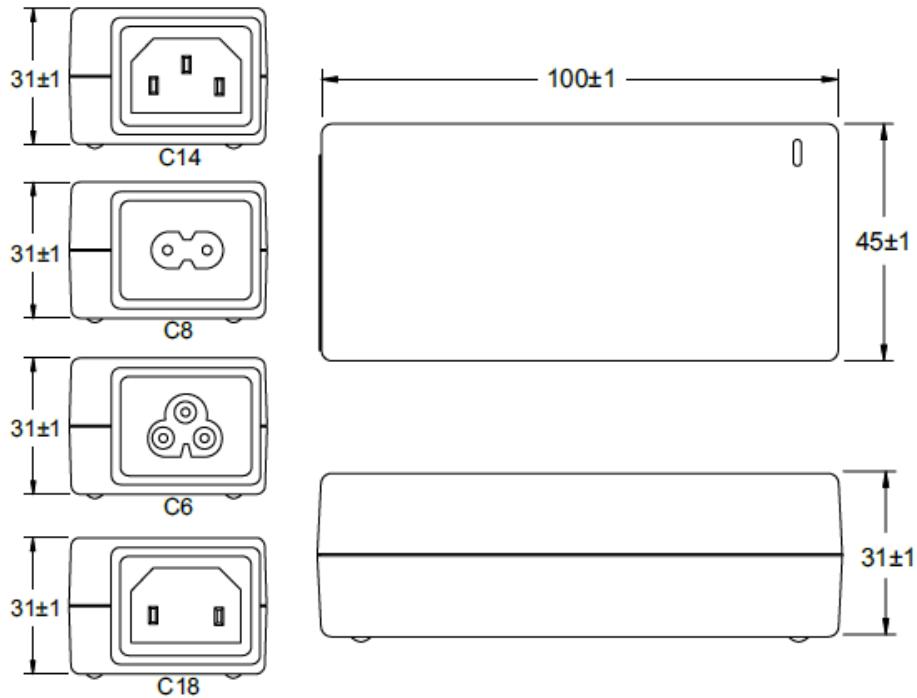
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>INPUT SPECIFICATIONS</b>					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1.5		A
Inrush Current	At Cold Start		≤80		A
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage		See Table			
Line Regulation <sup>(3)</sup>			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
Ripple & Noise (20MHz bandwidth)		See Table			
Hold Up Time			≥8.3		mS
Turn On Time			≤3		S
Temperature Coefficient					
<b>PROTECTION</b>					
Short Circuit Protection		Automatic Recovery			
Over Current Protection		Automatic Recovery			
Over Voltage Protection		Automatic Recovery			
Over Temperature Protection		Optional			
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		90	%
MTBF		100,000			Hours
<b>GENERAL SPECIFICATIONS</b>					
Efficiency		Meets DoE Level VI			
<b>PHYSICAL SPECIFICATIONS</b>					
Weight		7.05oz (200g)			
Dimensions (L x W x H)		3.94in x 1.77in x 1.22in (100mm x 45mm x 31mm)			
AC Inlet		C14, C8, C6, C18			
<b>SAFETY CHARACTERISTICS</b>					
Safety Approvals		UL/cUL <sup>(4)</sup> , CB, CE, FCC, CCC			

**NOTES**

1. "X" in model number indicates AC inlet type. "X" can either be "1" for IEC-320-C14, "2" for IEC-320-C8, "3" for IEC-320-C6, or "4" for IEC-320-C18.
2. 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.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. This product is Listed to applicable standards and requirements by UL.

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

## MECHANICAL DRAWINGS



- Case Size: 100L x 45W x 31H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

## 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](mailto:sales@wallindustries.com)  
Web: [www.wallindustries.com](http://www.wallindustries.com)  
Address: 37 Industrial Drive  
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.