

IEC-320-C8



Size: 3.37in x 1.41in x 1.01in

IEC-320-C6



Size: 3.56in x 1.41in x 1.02in

FEATURES

- Wide Input Voltage Range of 100 to 240VAC
- IEC-320-C8 or IEC-320-C6 AC Inlet
- Economy Model
- Over Voltage, Over Current, and Short Circuit Protection
- CEC and RoHS Compliance
- UL/cUL, CB, CE, FCC, and CCC Safety Approvals

DESCRIPTION

The DTEA1040 series of AC/DC desktop power supplies offers up to 48 watts of output power in a compact package. This series consists of single output models with a wide input voltage range of 100 to 240 as well as optional AC inlets. Each model in this series has over voltage, over current, and short circuit protection and has CEC and RoHS compliant. This series has UL/cUL, CB, CE, FCC, and CCC safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Power	Efficiency
			Min Load	Max Load			
DTEA1040xA	100-240VAC	5~9V	0A	5A	130mV	25W	75% Typ.
DTEA1040xB		5~9V	0A	4A	130mV	20W	
DTEA1040xC		9~12V	0A	4A	180mV	36W	
DTEA1040xD		9~12V	0A	3.33A	180mV	30W	
DTEA1040xE		12~17V	0A	3.5A	250mV	45W	
DTEA1040xF		12~17V	0A	3.0A	250mV	36W	
DTEA1040xG		12~17V	0A	2.5A	250mV	30W	
DTEA1040xH		17~24V	0A	2.65A	350mV	45W	
DTEA1040xJ		17~24V	0A	2.35A	350mV	40W	
DTEA1040xK		17~24V	0A	2.12A	350mV	36W	
DTEA1040xM		17~24V	0A	1.8A	350mV	30W	
DTEA1040xN		48V	0A	1.0A	700mV	48W	
DTEA1040xQ		48V	0A	0.8A	700mV	38.4W	
DTEA1040xR		48V	0A	0.4A	700mV	19.2W	
DTEA1040xT		10~20V	0A	3A	300mV	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.

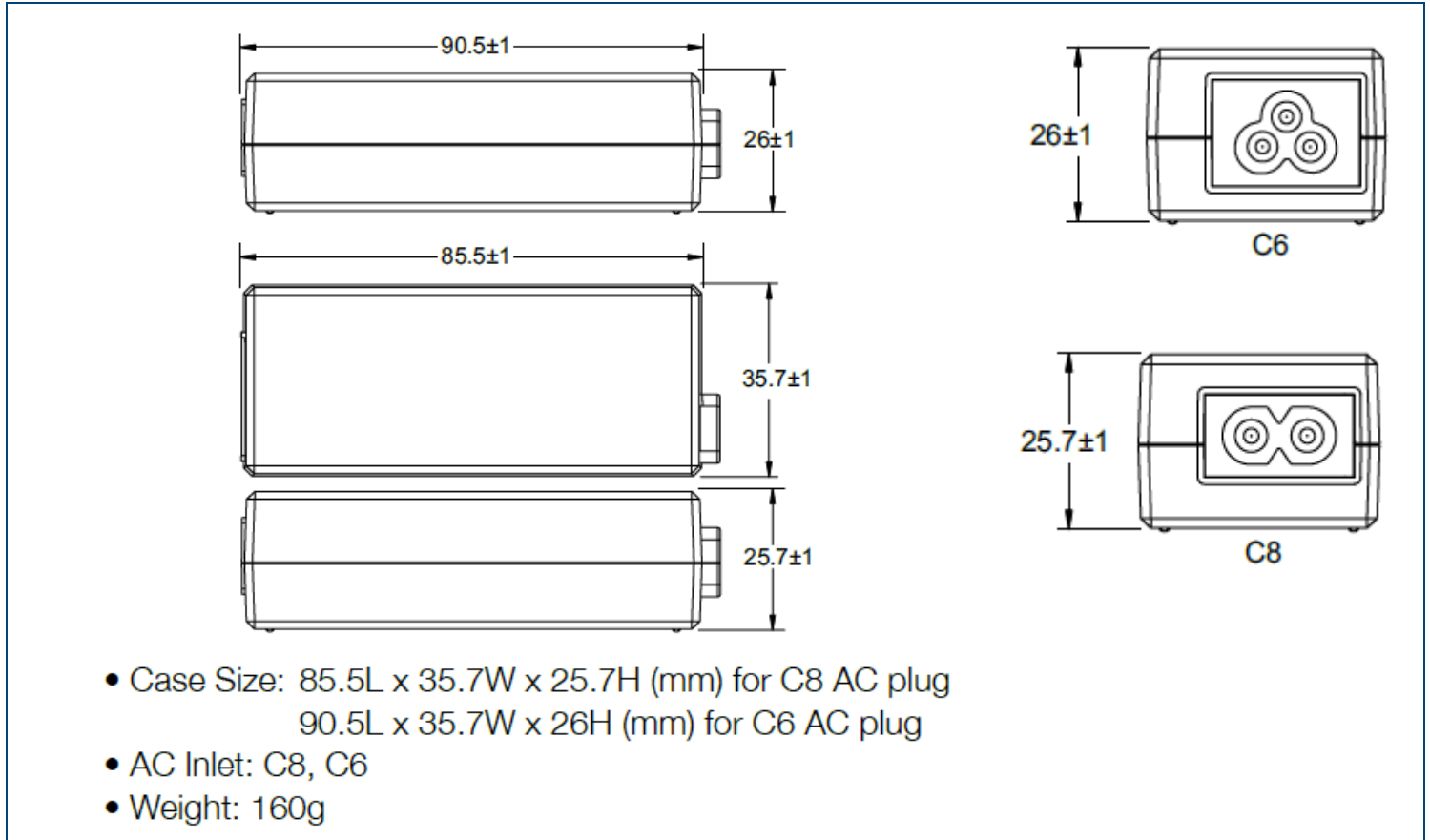
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1.0		A
Inrush Current	At Cold Start		≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾			±2		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0A			
Ripple & Noise		See Table			
Hold Up Time			≥8.3		mS
Turn On Time			≤3		S
PROTECTION					
Short Circuit Protection		Automatic Recovery			
Over Voltage Protection		Automatic Recovery			
Over Current Protection		Yes			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		95	%
MTBF		30,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
PHYSICAL SPECIFICATIONS					
Weight		5.64oz (160g)			
Dimensions (L x W x H)	IEC-320-C8 Inlet	3.37in x 1.41in x 1.01in (85.5mm x 35.7mm x 25.7mm)			
	IEC-320-C6 Inlet	3.56in x 1.41in x 1.02in (90.5mm x 35.7mm x 26mm)			
AC Inlet		C8 or C6			
SAFETY CHARACTERISTICS					
Safety Approvals		UL/cUL, CB, CE, FCC, CCC			

NOTES

1. "X" in model number indicates AC inlet. "X" can either be "1" for IEC-320-C8 or "2" for IEC-320-C6.
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.

**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 ISO9001-2008 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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