



Size (C18 & C14): 5.39 x 2.32 x 1.34 in

Size (C8 & C6): 5.24 x 2.32 x 1.32in

OPTIONS

- AC Inlet Type: IEC320 C14, C8, C6, C18
- Output Voltage
- Over-Temperature Protection

FEATURES

- Active PFC Function
- Meets Efficiency Level VI (DoE), CoC Tier 2 Efficiency
- RoHS Compliance
- 100-240VAC Input Range
- IEC320 C14, C8, C6, and C18 AC Inlets
- Short Circuit, Over Voltage, and Over Current Protection
- LED Indication
- MTBF: >100,000 Hours

DESCRIPTION

The DTEA1095 series of AC DC desktop power supplies provides up to 100 watts of output power. Single output models are available with an input range of 100 to 240VAC. Four different types of AC Inlets are available: IEC320 C14, C8, C6, or C18, as well as output voltages ranging from 12V~56V. This series is protected against over voltage, over current, and short circuit conditions and is RoHS and Efficiency Level VI, CoC Tier 2 compliant. Each model has UL/IEC/EN 62368-1, CB, CE, FCC, RCM (Australian), EK, and PSE safety approvals. Please call factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Power	Efficiency
			Min Load	Max Load			
DTEA1095x	100~240VAC	18V~24V	0A	4.75A	360mV	90W	Level VI, CoC Tier 2
DTEA1095Ax	100~240VAC	12V~18V	0A	6.6A	270mV	84W	Level VI, CoC Tier 2
DTEA1095A1x	100~240VAC	15V~17V	0A	5.0A	255mV	80W	Level VI, CoC Tier 2
DTEA1095Bx	100~240VAC	15V~24V	0A	5.0A	360mV	90W	Level VI, CoC Tier 2
DTEA1095Cx	100~240VAC	12V~18V	0A	7.00A	270mV	84W	Level VI, CoC Tier 2
DTEA1095Dx	100~240VAC	18V~24V	0A	4.44A	360mV	80W	Level VI, CoC Tier 2
DTEA1095Ex	100~240VAC	18V~24V	0A	5.00A	360mV	90W	Level VI, CoC Tier 2
DTEA1095Fx	100~240VAC	12V~18V	0A	7.50A	270mV	90W	Level VI, CoC Tier 2
DTEA1095Gx	100~240VAC	32V~42V	0A	2.50A	630mV	80W	Level VI, CoC Tier 2
DTEA1095Hx	100~240VAC	44V~56V	0A	1.81A	840mV	80W	Level VI, CoC Tier 2
DTEA1095Jx	100~240VAC	32V~42V	0A	2.81A	630mV	90W	Level VI, CoC Tier 2
DTEA1095Kx	100~240VAC	44V~56V	0A	2.04A	840mV	90W	Level VI, CoC Tier 2
DTEA1095Lx	100~240VAC	32V~42V	0A	3.12A	630mV	100W	Level VI, CoC Tier 2
DTEA1095Mx	100~240VAC	44V~56V	0A	2.27A	840mV	100W	Level VI, CoC Tier 2

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.

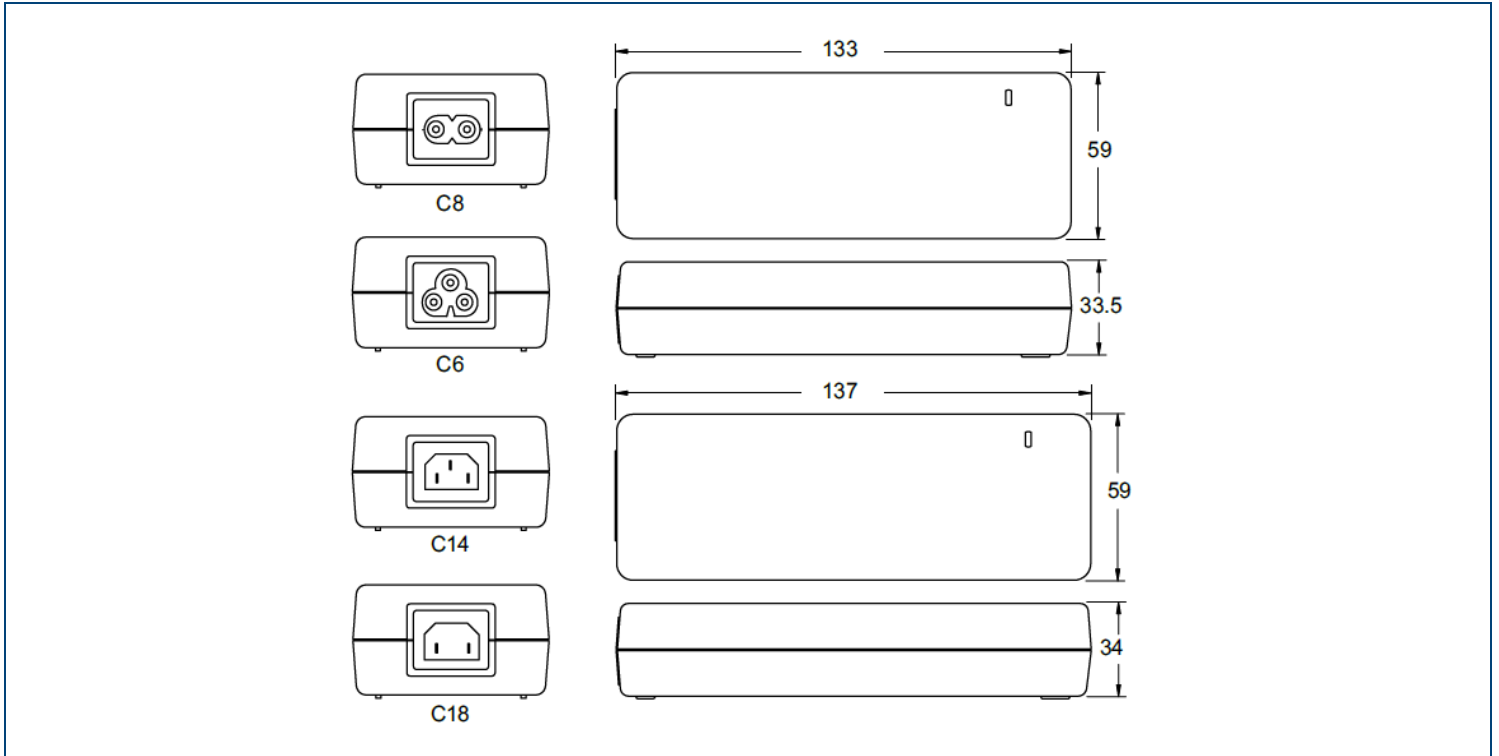
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤2.5		A
Inrush Current	At Cold Start		≤100		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
Ripple & Noise (20MHz bandwidth)		See Table			
Turn-On Time			≤3		S
Hold-Up Time			≥8.3		mS
PROTECTION					
Short Circuit Protection		Auto-Recovery			
Over Current Protection		Auto-Recovery			
Over Voltage Protection		Auto-Recovery or Latch Off			
Over Temperature Protection		Optional			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		95	%
MTBF		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Level VI			
PHYSICAL SPECIFICATIONS					
Weight		14.82oz (420g)			
Dimensions (L x W x H)	AC Inlet C14, C18	5.39in x 2.32in x 1.34in (137mm x 59mm x 34mm)			
	AC Inlet C8, C6	5.24in x 2.32in x 1.32in (133in x 59mm x 33.5mm)			
SAFETY					
Safety Approvals		UL/IEC/EN 62368-1 ⁽⁴⁾ CB CE FCC RCM (Australian) EK PSE			

NOTES

- (1) The "x" in the model name (1, 2, 3, 6) indicates the AC Inlet Type. 1=C14, 2=C8, 3=C6, 6=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



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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