

IEC-320-C14



IEC-320-C8



IEC-320-C6



IEC-320-C18



Size: 5.39 x 2.32 x 1.34 inches

FEATURES

- Single Outputs
- CEC Compliance
- RoHS Compliance
- IEC-320-C14, IEC-320-C8, IEC-320-C6, & IEC-320-C18 AC Inlets Available
- LED Indication
- Meets FCC Part 15 Class B & EN55022 Class B EMI/EMC Standards
- UL/cUL 60950, TUV/GS EN/IEC 60950, CB, FCC, CCC, & PSE Approvals
- Active PFC Function
- Efficiency Level VI
- 100~240VAC Input Voltage Range
- MTBF > 100,000 Hours
- 88% Typical High Efficiency
- Optional Output Connectors Available
- Short Circuit, Over Voltage, Over Current, & Over Temp. Protection

DESCRIPTION

The DTEA1101 series of AC/DC desktop power supplies provides up to 130 Watts of continuous output power in a 5.39" x 2.32" x 1.34" package. All models have a single output and a wide input voltage range of 100~240VAC. This series is RoHS, WEEE, CEC, and efficiency Level VI compliant and has UL/cUL 60950-1, TUV/GS EN/IEC 60950, CB, FCC, CCC, and PSE safety approvals. All models are protected against short circuit, over voltage, over current, and over temperature conditions. This series also has three AC inlet connector types available: IEC-320-C14, IEC-320-C8, and IEC-320-C6. Optional output connectors are also available please call factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage	Output Voltage ⁽²⁾	Output Current		Load Regulation	Line Regulation	Ripple & Noise ⁽³⁾	Output Power
			Min	Max				
DTEA1101xA	100 ~ 240 VAC	12 ~ 16 VDC	0A	6.66A	±5%	±1%	240mVp-p	80W
DTEA1101xB		12 ~ 16 VDC	0A	7.5A	±5%	±1%	240mVp-p	90W
DTEA1101xC		19 ~ 24 VDC	0A	4.73A	±5%	±1%	360mVp-p	90W
DTEA1101xD		12 ~ 16 VDC	0A	8.33A	±5%	±1%	240mVp-p	100W
DTEA1101xE		19 ~ 24 VDC	0A	5.26A	±5%	±1%	360mVp-p	100W
DTEA1101xF		12 ~ 16 VDC	0A	9.16A	±5%	±1%	240mVp-p	110W
DTEA1101xG		19 ~ 24 VDC	0A	5.78A	±5%	±1%	360mVp-p	110W
DTEA1101xH		12 ~ 16 VDC	0A	10A	±5%	±1%	240mVp-p	120W
DTEA1101xM		19 ~ 24 VDC	0A	6.31A	±5%	±1%	360mVp-p	120W
DTEA1101xN		48 ~ 56 VDC	0A	2.08A	±5%	±1%	840mVp-p	100W
DTEA1101xP		48 ~ 56 VDC	0A	2.70A	±5%	±1%	840mVp-p	130W

NOTES

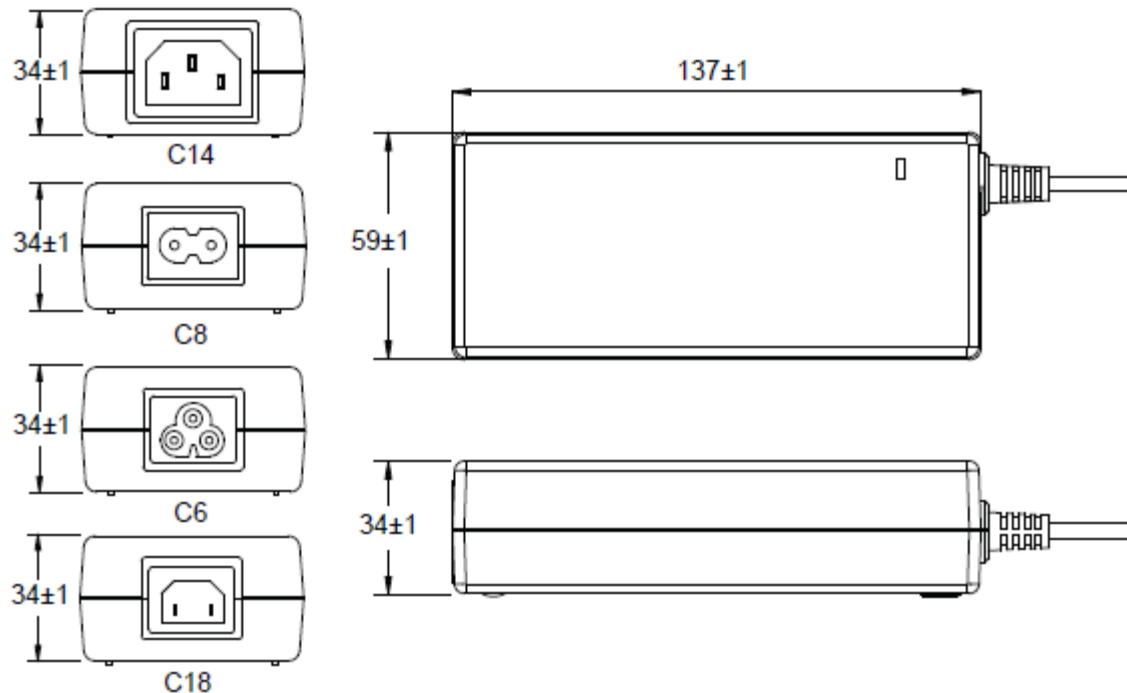
1. The "x" in the model number represents the type of AC inlet connector: "x" can be "1" for IEC-320-C14 type, "2" for IEC-320-C8 type, "3" for IEC-320-C6 type, or "4" for IEC-320-C18.
2. The output voltage is specified as a range (Ex: 48~56 VDC); the customer must specify what they want the voltage set at.
3. Ripple and Noise is measured at nominal line and full load with 20MHz bandwidth and a 0.1µF ceramic capacitor and 47µF aluminum capacitors in parallel across the output.
4. Optional output connectors are available. Please call factory for ordering details.

SPECIFICATIONS: DTEA1101 SERIES

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		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤2		A
Inrush Current	@Cold Start		≤120		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	Defined by changing ±10% of input voltage from nominal line and rated load	-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
Ripple & Noise (20MHz BW)	Measured at nominal line and full load with 0.1µF ceramic and 47µF aluminum capacitors in parallel	See Table			
Hold-up Time			≥8.3		ms
Turn-on Time			≤3		s
PROTECTION					
Over Temperature Protection		Latch off			
Over Voltage Protection		Latch off			
Over Current Protection		Automatic recovery			
Short Circuit Protection		Automatic recovery			
GENERAL SPECIFICATIONS					
Efficiency			88		%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		+40	°C
Storage Temperature		-20		+85	°C
Storage Humidity		5		95	%
Cooling		Free air convection			
MTBF		100,000			hours
PHYSICAL SPECIFICATIONS					
Weight		15.87oz (450g)			
Dimensions (L x W x H)		5.39 x 2.32 x 1.34 inches (137.0 x 59.0 x 34.0 mm)			
AC Inlet Connector	See Note 1	IEC-320-C14, IEC-320-C8, IEC-320-C6, and IEC-320-C18			
Output Connectors		Several options available			
SAFETY, EMC, & COMPLIANCE					
Safety Approvals		UL/cUL 60950, TUV/GS EN IEC 60950, CB, FCC, CCC			
EMI/EMC Standards		FCC Part 15 Class B & EN55022 Class B			
Compliance		RoHS, DoE Level VI, CEC			

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 ISO9001-2008 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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