

Wall Industries, Inc.

DTEA1135 SERIES

100~240VAC Input Voltage Range
120~150 Watts, Single Outputs
IEC-320-C14 and IEC-320-C6 AC Inlet Types
AC/DC Desktop Power Supplies



IEC-320-C14



IEC-320-C6

FEATURES

- Single Outputs
- Energy Star/CEC Level V Compliant
- RoHS Compliant
- 100~240VAC Input Voltage Range
- Short Circuit, Over Current, and Over Voltage Protection
- IEC-320-C14 and IEC-320-C6 AC Inlet Connectors Available
- Optional Output Connectors Available
- MTBF: >30,000 Hours
- UL/cUL 60950, UL 60065, and EN/IEC 60065 Safety Approvals

DESCRIPTION

The DTEA1135 series of AC/DC desktop power supplies provides up to 150 Watts of continuous output power. All models have a single output and a wide input voltage range of 100~240VAC. This series is RoHS and Energy Star/CEC Level V compliant. All models have over voltage, over current, and short circuit protection. This series also has two AC inlet connector types available: IEC-320-C14 and IEC-320-C6. Optional output connectors are also available please call factory for ordering details.

SPECIFICATIONS: DTEA1135 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.

INPUT SPECIFICATIONS

Input Voltage Range	100 ~ 240VAC
Input Frequency	50 ~ 60Hz
Input Current	≤ 2.5A
Inrush Current	≤ 120A

OUTPUT SPECIFICATIONS

Output Current	See Table
Output Voltage <i>(See Note 2)</i>	See Table
Line Regulation <i>(See Note 4)</i>	±1%
Load Regulation	±5%
Output Power	See Table
Ripple & Noise <i>(See Note 3)</i>	See Table
Hold-up Time	≥ 8.3ms
Turn-on Time	≤ 3s

PROTECTION

Over Voltage Protection	Auto-recovery
Short Circuit Protection	Auto-recovery
Over Current Protection	yes

GENERAL SPECIFICATIONS

Efficiency (typical)	85% typ.
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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Storage Humidity	5% to 95%
MTBF	> 30,000 hours

PHYSICAL SPECIFICATIONS

Dimensions (L x W x H)	7.05 x 2.53 x 1.57 inches (179 x 64.2 x 40 mm)
AC Inlet Connector <i>(See Note 1)</i>	IEC-320-C14 or IEC-320-C6 Inlet
Weight	1.55 lbs (705g)

SAFETY & EMC

Safety Standards	UL/cUL UL60950, UL60065 ⁽⁶⁾ , EN/IEC 60065, CB, DoIR+C-Tick, CE, EK, FCC, BSMI
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MODEL SELECTION TABLE

Model ⁽¹⁾	Input Voltage Range	Output Voltage ⁽²⁾	Output Current		Ripple & Noise ⁽³⁾	Maximum Output Power	AC Inlet ⁽¹⁾
			Min	Max			
DTEA1135 1 A	100 ~ 240 VAC	12 ~ 17 VDC	0A	10A	240mVp-p	120W	IEC-320-C14
DTEA1135 1 B		18 ~ 24 VDC	0A	7.22A	480mVp-p	130W	
DTEA1135 1 C		15 ~ 24 VDC	0A	6.66A	480mVp-p	120W	
DTEA1135 1 D		15 ~ 24 VDC	0A	8.33A	480mVp-p	150W	
DTEA1135 3 A	100 ~ 240 VAC	12 ~ 17 VDC	0A	10A	240mVp-p	120W	IEC-320-C6
DTEA1135 3 B		18 ~ 24 VDC	0A	7.22A	480mVp-p	130W	
DTEA1135 3 C		15 ~ 24 VDC	0A	6.66A	480mVp-p	120W	
DTEA1135 3 D		15 ~ 24 VDC	0A	8.33A	480mVp-p	150W	

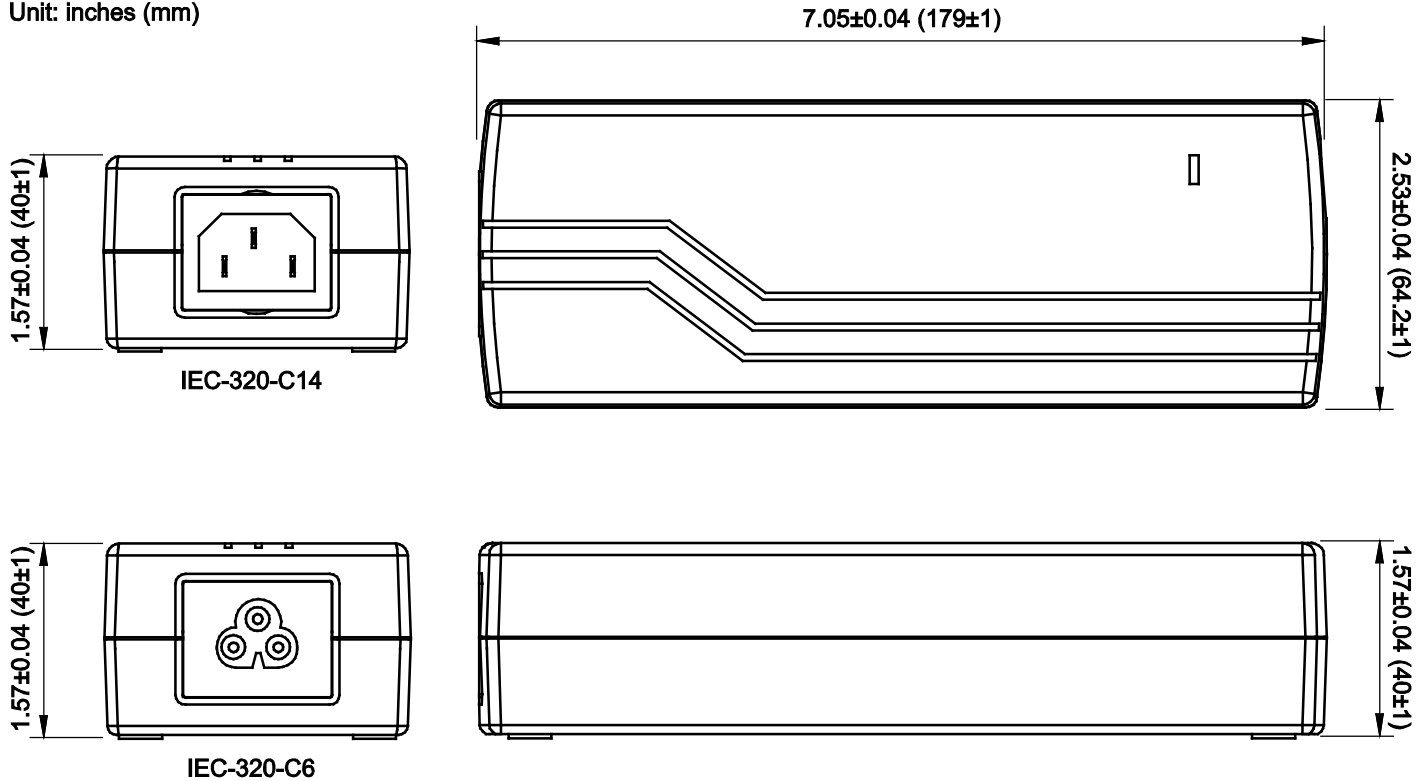
NOTES

1. The number in **red** represents the type of AC inlet: “**1**” is for IEC-320-C14 type and “**3**” is for IEC-320-C6 type.
2. The output voltage is specified as a range (Ex: 15 ~ 24VDC); 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.
4. Line regulation is defined by changing ±10% of input voltage from nominal line and rated load.
5. Optional output connectors are available. Please call factory for ordering details.
6. This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWING

Unit: inches (mm)



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:

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