

**FEATURES**

- Class I
- Single Output
- Economy Type
- Fan-less Operation
- MTBF > 30,000 Hours
- CEC and RoHS Compliance
- Over Voltage and Over Current Protective Installation
- IEC-320-C14 and IEC-320-C6 AC Inlet Connectors Available



IEC-320-C14

IEC-320-C6

**DESCRIPTION**

The DTEA1210 series of AC/DC desktop power supplies provides up to 200 watts of output power. All models have a single output and a 90~264VAC input voltage range. This series is CEC compliant (optional), RoHS compliant, and has over voltage and short circuit protection. This series has two AC inlet connector types available: IEC-320-C14 and IEC-320-C6. Optional output connectors are available please call factory for ordering details.

<b>SPECIFICATIONS: DTEA1210 Series</b>	
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.	
<b>INPUT SPECIFICATIONS</b>	
Input Voltage Range (Limit)	100 ~ 240VAC (90 ~ 264VAC limit)
Input Frequency	50 ~ 60Hz (47 ~ 63Hz limit)
Input Current	≤ 4A
Inrush Current	≤ 120A
<b>OUTPUT SPECIFICATIONS</b>	
Output Current	See Table
Output Voltage	See Table
Line Regulation (See Note 3)	±1%
Load Regulation	±5%
Output Power	See Table
Ripple & Noise (20MHz BW) (See Note 2)	2%
Hold-up Time	≥ 8.3ms
Turn-on Time	≤ 3s
<b>PROTECTION</b>	
Over Voltage Protection	Latch off
Short Circuit Protection	Latch off
<b>GENERAL SPECIFICATIONS</b>	
Efficiency	85% typ.
Class I or Class II	Class I
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Storage Humidity	5% to 95%
MTBF	30,000 hours
<b>PHYSICAL SPECIFICATIONS</b>	
Dimensions (L X W X H)	7.17 x 3.15 x 1.73 inches (182 x 80 x 44 mm)
AC Inlet Connector (See Note 1)	IEC-320-C14, IEC-320-C6 Inlet
Weight	35.27oz (1000g)
<b>SAFETY &amp; EMC</b>	
Safety Standards <sup>(5)</sup>	UL/cUL UL60950, UL60065, EN/IEC 60065, CB, CE, FCC, CCC, Argentina

**MODEL SELECTION TABLE**

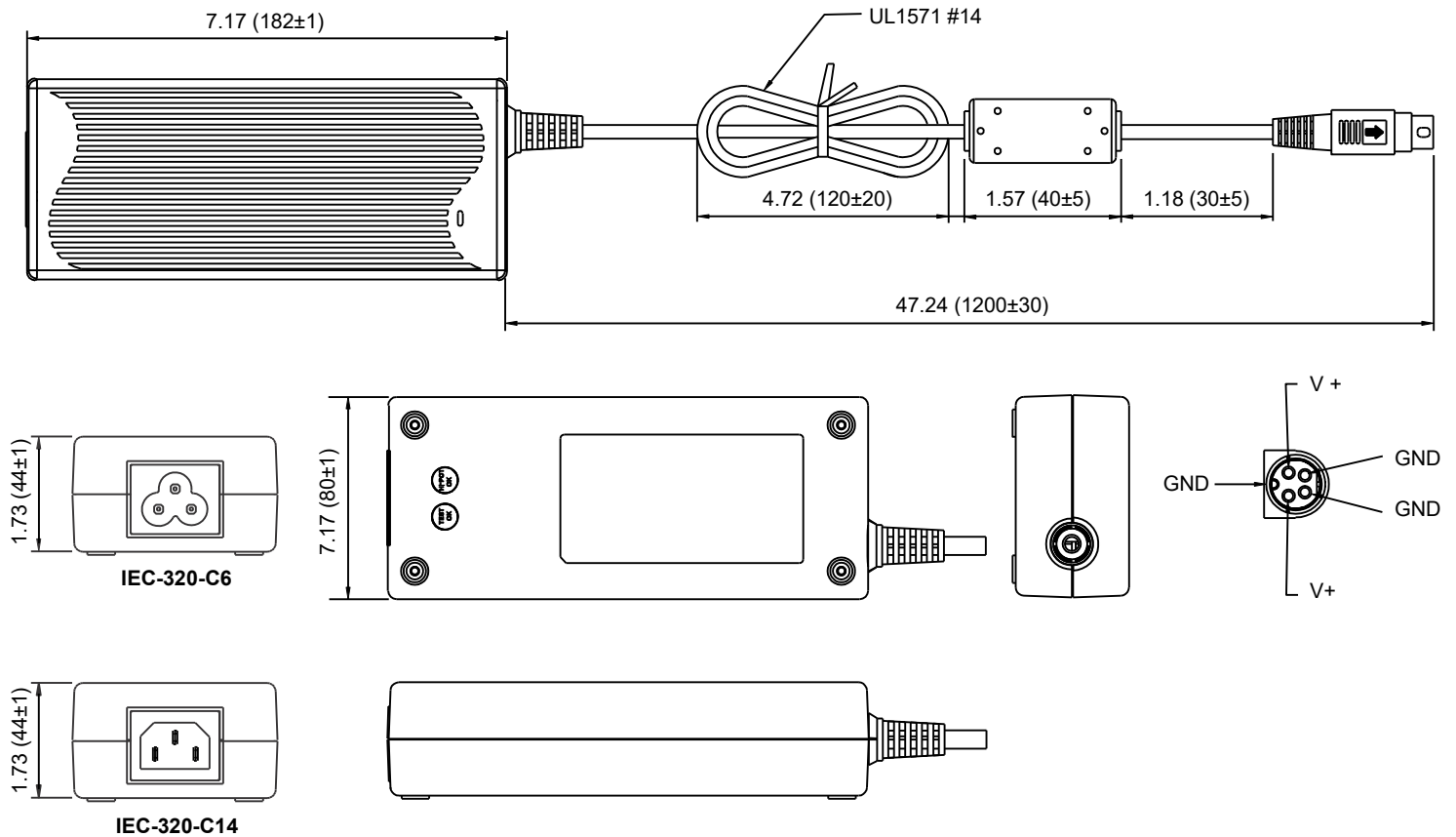
Model <sup>(1)</sup>	Input Voltage	Output Voltage	Output Current	Output Power	AC Inlet Connector <sup>(1)</sup>
DTEA1210 <b>1</b> A-120	100 ~ 240VAC	12 VDC	15.0A	180W	IEC-320-C14
DTEA1210 <b>1</b> B-120	100 ~ 240VAC	12 VDC	12.5A	150W	IEC-320-C14
DTEA1210 <b>1</b> C-180	100 ~ 240VAC	18 VDC	10.52A	190W	IEC-320-C14
DTEA1210 <b>1</b> D-180	100 ~ 240VAC	18 VDC	10.0A	180W	IEC-320-C14
DTEA1210 <b>1</b> E-190	100 ~ 240VAC	19 VDC	10.52A	200W	IEC-320-C14
DTEA1210 <b>1</b> F-190	100 ~ 240VAC	19 VDC	9.47A	180W	IEC-320-C14
DTEA1210 <b>1</b> G-200	100 ~ 240VAC	20 VDC	10.0A	200W	IEC-320-C14
DTEA1210 <b>1</b> H-200	100 ~ 240VAC	20 VDC	9.0A	180W	IEC-320-C14
DTEA1210 <b>1</b> M-240	100 ~ 240VAC	24 VDC	8.33A	200W	IEC-320-C14
DTEA1210 <b>1</b> N-240	100 ~ 240VAC	24 VDC	7.5A	180W	IEC-320-C14
DTEA1210 <b>3</b> A-120	100 ~ 240VAC	12 VDC	15.0A	180W	IEC-320-C6
DTEA1210 <b>3</b> B-120	100 ~ 240VAC	12 VDC	12.5A	150W	IEC-320-C6
DTEA1210 <b>3</b> C-180	100 ~ 240VAC	18 VDC	10.52A	190W	IEC-320-C6
DTEA1210 <b>3</b> D-180	100 ~ 240VAC	18 VDC	10.0A	180W	IEC-320-C6
DTEA1210 <b>3</b> E-190	100 ~ 240VAC	19 VDC	10.52A	200W	IEC-320-C6
DTEA1210 <b>3</b> F-190	100 ~ 240VAC	19 VDC	9.47A	180W	IEC-320-C6
DTEA1210 <b>3</b> G-200	100 ~ 240VAC	20 VDC	10.0A	200W	IEC-320-C6
DTEA1210 <b>3</b> H-200	100 ~ 240VAC	20 VDC	9.0A	180W	IEC-320-C6
DTEA1210 <b>3</b> M-240	100 ~ 240VAC	24 VDC	8.33A	200W	IEC-320-C6
DTEA1210 <b>3</b> N-240	100 ~ 240VAC	24 VDC	7.5A	180W	IEC-320-C6

**NOTES**

1. The red numbers represent the type of AC inlet connector: “**1**” is for IEC-320-C14 AC inlet connector and “**3**” is for IEC-320-C6 AC inlet.
2. 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.
3. Line regulation is defined by changing  $\pm 10\%$  of input voltage from nominal line and rated load.
4. Optional output connectors are available. Please call factory for ordering details.
5. 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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