

IEC-320-C8

Size: 4.45 x 1.93 x 1.38 inches



Size: 4.45 x 1.93 x 1.38 inches



Size: 4.45 x 1.93 x 1.38 inches

FEATURES

- RoHS & DoE Compliant
- Efficiency Meets CEC Level VI (DoE), CoC Tier 2
- LED Indication

- Single Outputs Ranging from 5VDC to 56VDC
- IEC-320-C14, IEC-320-C8, IEC-320-C6, & IEC-320-C18 AC
 Inlets Available
- UL/cUL, CB, FCC, CCC, CE Safety Approvals

- 100~240VAC Input Voltage Range
- · Protection: OVP / OCP / OTP / SCP
- Optional Output Connectors Available

DESCRIPTION

The DTEA1068 series of AC/DC desktop power supplies provides up to 72 Watts of continuous output power in a 4.45" x 1.93" x 1.38" package. This series consists of single output models ranging from 5VDC to 56VDC with a wide input voltage range of 100~240VAC. This series is RoHS and WEEE compliant and meets CEC Level V, VI requirements. This series also has UL/cUL, CB, FCC, CCC, and CE safety approvals. All models are protected against short circuit, over voltage, over current, and over temperature conditions. Four AC inlet connector types are available for this series: IEC-320-C14, IEC-320-C8, IEC-320-C6, and IEC-320-C18. Optional output connectors are also available please call factory for ordering details.

MODEL SELECTION TABLE												
Model Number (1)	Input Voltage Range	Output Voltage	Output Current		Load	Line	Ripple & Noise	Output Dawar				
		(2)	Min	Max	Regulation	Regulation ⁽³⁾	(4)	Output Power				
DTEA1068xA		5 ~ 9 VDC	0A	5.0A	±5%	±3%	180mV	25W				
DTEA1068xB		12 ~ 16 VDC	0A	3.33A	±5%	±3%	240mV	40W				
DTEA1068xC	100 ~ 240 VAC	18 ~ 24 VDC	0A	2.10A	±5%	±3%	360mV	40W				
DTEA1068xD		32 ~ 42 VDC	0A	1.25A	±5%	±3%	630mV	40W				
DTEA1068xE		44 ~ 56 VDC	0A	0.90A	±5%	±3%	840mV	40W				
DTEA1068xF		5 ~ 9 VDC	0A	6.0A	±5%	±3%	180mV	30W				
DTEA1068xG		12 ~ 16 VDC	0A	4.16A	±5%	±3%	240mV	50W				
DTEA1068xH		18 ~ 24 VDC	0A	2.63A	±5%	±3%	360mV	50W				
DTEA1068xJ		32 ~ 42 VDC	0A	1.56A	±5%	±3%	630mV	50W				
DTEA1068xK		44 ~ 56 VDC	0A	1.13A	±5%	±3%	840mV	50W				
DTEA1068xW		5 ~ 9 VDC	0A	8.0A	±5%	±3%	180mV	40W				
DTEA1068xM		5 ~ 9 VDC	0A	7.0A	±5%	±3%	180mV	35W				
DTEA1068xN		12 ~ 16 VDC	0A	5.0A	±5%	±3%	240mV	60W				
DTEA1068xP		18 ~ 24 VDC	0A	3.15A	±5%	±3%	360mV	60W				
DTEA1068xQ		32 ~ 42 VDC	0A	1.87A	±5%	±3%	630mV	60W				
DTEA1068xR		44 ~ 56 VDC	0A	1.36A	±5%	±3%	840mV	60W				
DTEA1068xY		12 ~ 16 VDC	0A	5.42A	±5%	±3%	240mV	65W				
DTEA1068xS		5 ~ 9 VDC	0A	9.0A	±5%	±3%	180mV	45W				
DTEA1068xU		12 ~ 16 VDC	0A	6.0A	±5%	±3%	240mV	72W				
DTEA1068xV		18 ~ 24 VDC	0A	3.78A	±5%	±3%	360mV	72W				
DTEA1068xL		32 ~ 42 VDC	0A	2.25A	±5%	±3%	630mV	72W				
DTEA1068xT		44 ~ 56 VDC	0A	1.63A	±5%	±3%	840mV	72W				

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, or "6" for IEC-320-C18 type.
- 2. The output voltage is specified as a range (Ex: 44~56 VDC); the customer must specify what they want the voltage set at.
- 3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 4. 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.
- 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.



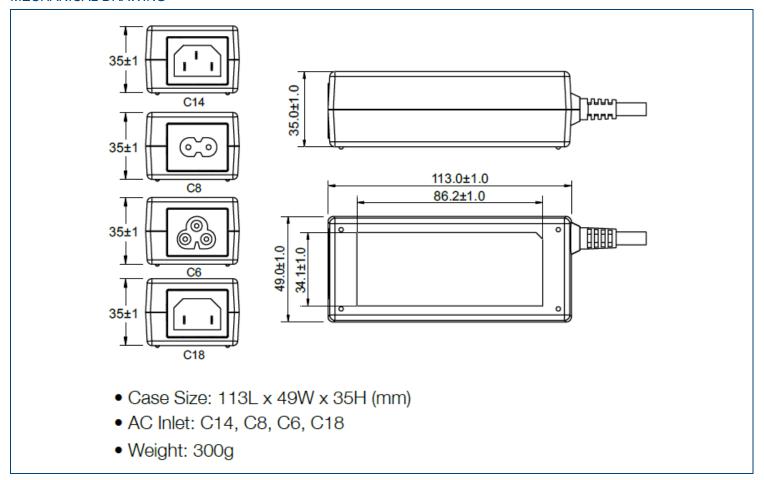
TECHNICAL SPECIFICATIONS: DTEA1068 SERIES

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 Voltage 100 240 VAC Input Frequency 50 60 Hz Input Frequency 50 60 Hz Input Current 50 60 Hz Input Current 50 50 60 Hz Input Current 5120 A A Inrush Current 5120 A A Inrush Current 5120 A A Inrush Current 5120 A A A A A A A A A	SPECIFICATION	TEST CONDITIONS	Min	Тур	Max	Unit				
Input Frequency 50 60 Hz Input Current 52.0 A A A Court A Survey A A A A A A A A A	INPUT SPECIFICATIONS									
Injust Current S2.0	Input Voltage		100		240	VAC				
See Table	Input Frequency		50		60	Hz				
OUTPUT SPECIFICATIONS Output Voltage See Table Load Regulation -3 +3 % 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 \$28.3 ms Turn-on Time \$3 \$3 s Voer Voltage Protection Latch off/Automatic Recovery Over Voltage Protection Automatic recovery Over Temperature Protection Automatic recovery Over Temperature Protection Automatic recovery Over Temperature Protection Meet CEC Level VI (DoE), CoC Tier 2 Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Free air convection MET 90 % Coloring Free air convection Free air convection MTBF @115VAC (MIL-HDBK-217F) 148,503.94	Input Current			≤2.0		Α				
OUTPUT SPECIFICATIONS Output Voltage See Table Load Regulation -3 +3 % 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 \$28.3 ms Turn-on Time \$3 \$3 s Voer Voltage Protection Latch off/Automatic Recovery Over Voltage Protection Automatic recovery Over Temperature Protection Automatic recovery Over Temperature Protection Automatic recovery Over Temperature Protection Meet CEC Level VI (DoE), CoC Tier 2 Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Free air convection MET 90 % Coloring Free air convection Free air convection MTBF @115VAC (MIL-HDBK-217F) 148,503.94	Inrush Current	Cold start		≤120		Α				
Output Voltage See Table Line Regulation -3 +3 % Load Regulation -5 +5 % Output Power See Table ** % Output Current See Table ** ** A Minimum Load 0 A A ** A ** A ** A ** ** ** ** A ** <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
Line Regulation -3 +3 % Load Regulation -5 +5 % Output Power See Table Output Current See Table Minimum Load Measured at nominal line and full load with 0.1μF ceramic and 47μF aluminum capacitors in parallel 0 A Hold-up Time ≥8.3 ms Turn-on Time ≥8.3 ms PROTECTION Latch off/Automatic Recovery Over Voltage Protection Automatic recovery Over Unique Protection Automatic recovery Over Temperature Protection Optional GENERAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 EMVIRONMENTAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 Storage Temperature 0 +40 °C Storage Temperature -20 +85 °C Storage Temperature -20 +85 °C Gooling Free air convection MTBF @230VAC (MIL-HDBK-217F) 159,357.51 hours			See Table							
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 ≥8.3 ms PROTECTION Latch off/Automatic Recovery Over Voltage Protection Automatic recovery Over Current Protection Quit Total Covery Over Temperature Protection Optional GENERAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 Storage Temperature 0 +40 °C Storage Temperature 0 +440 °C Storage Temperature 0 +45 °C Storage Temperature 0 9 % Cooling Free air convection MTBF @230VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS 159,357.51 hours PHY	Line Regulation		-3		+3	%				
Output Current Minimum Load See Table Minimum Load 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 ≤3.3 s PROTECTION Latch off/Automatic Recovery Over Voltage Protection Automatic recovery Over Current Protection Automatic recovery Over Current Protection Optional GENERAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 Efficiency Meet CEC Level VI (DoE), CoC Tier 2 Environmenture 0 +40 °C Storage Temperature -20 +85 °C Storage Temperature -20 +85 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @ 230VAC (MIL-HDBK-217F) 148,503,94 hours @ 230VAC (MIL-HDBK-217F) 159,357.51 hours PHYSICAL SPECIFICATIONS (113 x 49 x 35 mm) 10.580z (300g) Weight 10.580z (300g) 4.45	Load Regulation				+5	%				
Minimum Load Measured at nominal line and full load with 0.1μF ceramic and 47μF aluminum capacitors in parallel See Table	Output Power									
Ripple & Noise (20MHz BW) Measured at nominal line and full load with 0.1μF ceramic and 47μF aluminum capacitors in parallel Hold-up Time Turn-on Time Votage Protection Over Voltage Protection Over Current Protection Over Current Protection Over Temperature Protection GENERAL SPECIFICATIONS Efficiency EINVIRONMENTAL SPECIFICATIONS Efficiency Storage Temperature O	Output Current		See Table							
And 47μF aluminum capacitors in parallel See Table	Minimum Load		0			Α				
Turn-on Time	Ripple & Noise (20MHz BW)		See Table							
PROTECTION Cover Voltage Protection Cover Voltage Protection Automatic Recovery	Hold-up Time			≥8.3		ms				
Over Voltage Protection Latch off/Automatic Recovery Short Circuit Protection Automatic recovery Over Current Protection Automatic recovery Over Temperature Protection Optional GENERAL SPECIFICATIONS Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS **Operating Temperature** Operating Temperature 0 +40 °C Storage Temperature -20 +85 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @2115VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS **Description of the properation of t	Turn-on Time			≤3		S				
Automatic recovery Automatic recovery	PROTECTION									
Over Current Protection Automatic recovery Over Temperature Protection Optional GENERAL SPECIFICATIONS Meet CEC Level VI (DoE), CoC Tier 2 Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS 0 +40 °C Storage Temperature 0 +45 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @115 VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS 159,357.51 hours Weight 10.58oz (300g) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) Dimensions (L x W x H) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) IEC-320-C14 AC Inlet Connector Suffix "1" IEC-320-C28 Suffix "3" IEC-320-C6 IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available										
Over Temperature Protection GENERAL SPECIFICATIONS Optional Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS **O** Operating Temperature 0 +40 **C Storage Temperature -20 +85 **C Storage Humidity 5 90 % Cooling Free air convection MTBF @230VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS **D** hours Weight 10.58oz (300g) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) Dimensions (L x W x H) **Suffix "1" IEC-320-C14 AC Inlet Connector Suffix "2" IEC-320-C8 Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available	Short Circuit Protection									
GENERAL SPECIFICATIONS Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Operating Temperature 0 +40 °C Storage Temperature -20 +85 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @115VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS 159,357.51 hours Weight 10.58oz (300g) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) Dimensions (L x W x H) Suffix "1" IEC-320-C14 AC Inlet Connector Suffix "2" IEC-320-C6 Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available	Over Current Protection					Automatic recovery				
Efficiency Meet CEC Level VI (DoE), CoC Tier 2 ENVIRONMENTAL SPECIFICATIONS Operating Temperature 0 +40 °C Storage Temperature -20 +85 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @115VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS 159,357.51 hours Weight 10.58oz (300g) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) Dimensions (L x W x H) Suffix "1" IEC-320-C14 AC Inlet Connector Suffix "2" IEC-320-C6 Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available	Over Temperature Protection		Optional							
ENVIRONMENTAL SPECIFICATIONS										
Operating Temperature 0 +40 °C Storage Temperature -20 +85 °C Storage Humidity 5 90 % Cooling Free air convection MTBF @115VAC (MIL-HDBK-217F) 148,503.94 hours PHYSICAL SPECIFICATIONS Weight 10.58oz (300g) Dimensions (L x W x H) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) Suffix "1" IEC-320-C14 Suffix "2" IEC-320-C2 Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available			Meet CEC	Level VI	(DoE), Co(C Tier 2				
Storage Temperature	ENVIRONMENTAL SPECIFICAT	TIONS								
Storage Humidity Storage Humidity Storage Humidity Free air convection	Operating Temperature		<u> </u>		+40					
Free air convection	Storage Temperature		-20							
MTBF @115VAC (MIL-HDBK-217F) 148,503.94 hours	Storage Humidity		5		90	%				
MTBF	Cooling									
(a) 230VAC (MIL-HDBK-217F) 159,357.51 159,357.51 159,357.51 159,357.51 159,357.51 159,357.51 159,357.51 10.58oz (300g) 10.	MTRE					hours				
Weight 10.58oz (300g) Dimensions (L x W x H) 4.45 x 1.93 x 1.38 inches (113 x 49 x 35 mm) AC Inlet Connector Suffix "1" IEC-320-C14 Suffix "2" IEC-320-C8 Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available SAFETY & COMPLIANCE		@230VAC (MIL-HDBK-217F)	159,357.51			Hours				
Acting Suffix "1" Suffix "2" IEC-320-C14										
Call factory for ordering details Call factory factory for ordering details Call factory	Weight									
AC Inlet Connector AC Inlet Connector Suffix "1" Suffix "2" Suffix "3" IEC-320-C14 IEC-320-C8 IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available SAFETY & COMPLIANCE	Dimensions (L x W x H)									
Suffix "3" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available SAFETY & COMPLIANCE										
Suffix "6" IEC-320-C6 Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available SAFETY & COMPLIANCE	101110	Suffix "2"	IEC-320-C8							
Suffix "6" IEC-320-C18 Output Connectors Call factory for ordering details Several options available SAFETY & COMPLIANCE	AC Inlet Connector									
SAFETY & COMPLIANCE										
	Output Connectors					Several options available				
Safety Approvals UI /cUI (6) CB FCC CCC CF	SAFETY & COMPLIANCE									
	Safety Approvals		UL/cU	L ⁽⁶⁾ , CB, F	CC, CCC,	CE				
			RoHS, DoE VI, COC Tier 2							



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: 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:

Phone: ☎(603)778-2300
Toll Free: ☎(888)597-9255
Fax: ☎(603)778-9797

E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.