IEC-320-C14

Size: 4.45 x 1.93 x 1.38 inches

IEC-320-C8

Size: 4.45 x 1.93 x 1.38 inches

IEC-320-C6

Size: 4.45 x 1.93 x 1.38 inches

IEC-320-C18

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, TUV, 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, TUV, 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 (2)	Output Current		Load Regulation	Line Regulation(3)	Ripple & Noise (4)	Output Power
			Min	Max				
DTEA1068xA	100 ~ 240 VAC	5 ~ 9 VDC	0A	5.0A	±5%	±3%	180mV	25W
DTEA1068xB		12 ~ 16 VDC	0A	3.33A	±5%	±3%	240mV	40W
DTEA1068xC		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

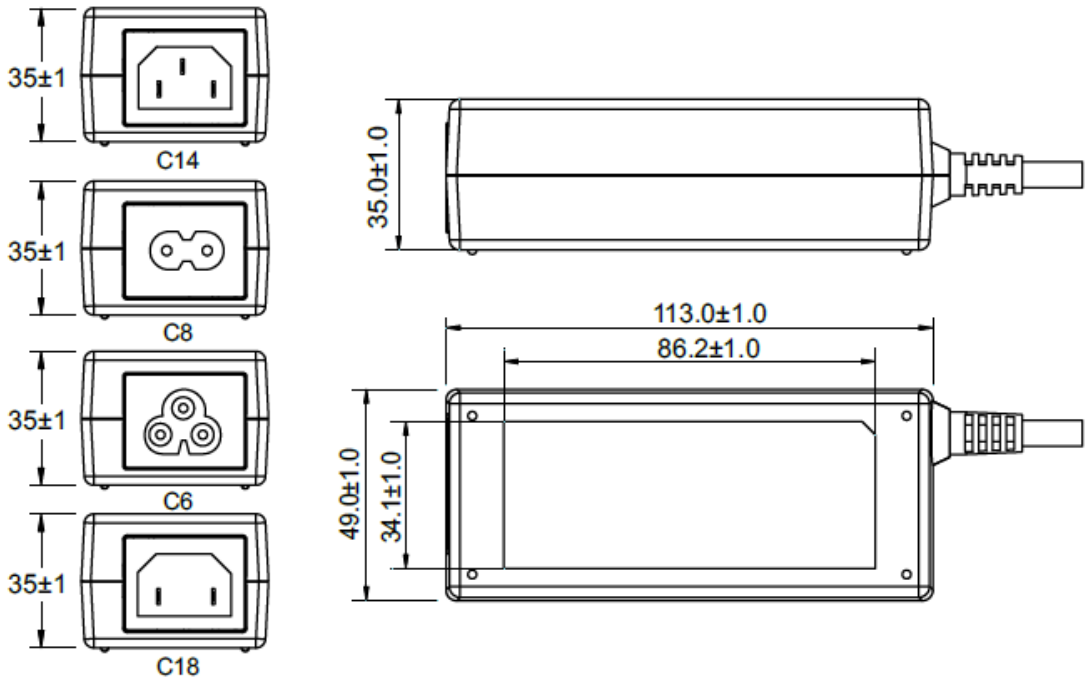
1. The "x" in the model number represents the type of AC inlet connector: "x" can be "1" for IEC-320-C14 type, "2" for IEC-320-C8 type, "3" for IEC-320-C6, or "6" for IEC-320-C18 type.
2. The output voltage is specified as a range (Ex: 44~56 VDC); the customer must specify what they want the voltage set at.
3. Line regulation is defined by changing ±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.

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.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤2.0		A
Inrush Current	Cold start		≤120		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line 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			≥8.3		ms
Turn-on Time			≤3		s
PROTECTION					
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		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
	@230VAC (MIL-HDBK-217F)	159,357.51			
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)			
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					
Safety Approvals		UL/cUL, TUV, CB, FCC, CCC, CE			
Compliance		RoHS, DoE VI, COC Tier 2			

MECHANICAL DRAWING



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

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.

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