



Size: 3.74in x 1.65in x 1.14in (95mm x 42mm x 29mm)

OPTIONS

- Inlet Connectors
- Output Voltage

FEATURES

- Single Outputs
- Economy Type
- Efficiency Level VI compliant
- RoHS Compliant
- MTBF: >30,000 Hours
- 100~240VAC Input Voltage Range
- Optional Output Connectors Available
- Short Circuit, Over Current, and Over Voltage Protection
- IEC-320-C6 and IEC-320-C8 Inlet Connectors Available
- UL/cUL 60950 Safety Approvals

DESCRIPTION

The DTEA1063 series of AC/DC desktop power supplies provides up to 65 Watts of continuous output power. This series consists of single output models with output voltages ranging from 8VDC to 24VDC and an input voltage range of 100~240VAC. This series is CEC and RoHS compliant and has over voltage, over current, and short circuit protection. This series also has two AC inlet connector types available: IEC-320-C6 and IEC-320-C8. Optional output connectors are also available, please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage ⁽²⁾	Output Current		Ripple & Noise ⁽³⁾	Output Power	Efficiency	AC Inlet
			Min Load	Max Load				
DTEA10632A	100~240VAC	8~14VDC	0A	4.5A	350mVp-p	54W	84%	IEC-320-C8
DTEA10632B		15~24VDC	0A	4.06A		65W	85%	IEC-320-C8
DTEA10633A		8~14VDC	0A	4.5A		54W	84%	IEC-320-C6
DTEA10633B		15~24VDC	0A	4.06A		65W	85%	IEC-320-C6

SPECIFICATIONS

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 Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤2.0		A
Inrush Current	At Cold Start		≤140		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽⁴⁾		-2		+2	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)			350		mVp-p
Hold-Up Time			≥8.3		ms
Start-Up Time			≤3		s

SPECIFICATIONS

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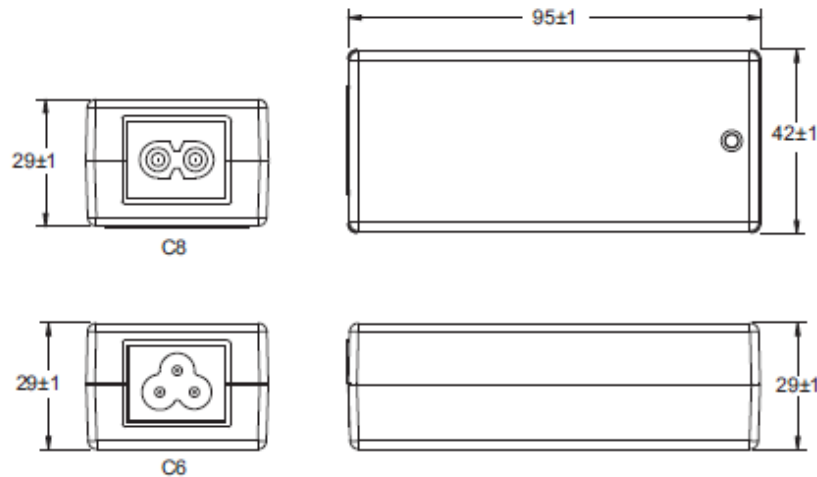
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
PROTECTION					
Short Circuit Protection			Auto-Recovery		
Over Voltage Protection			Auto-Recovery		
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		95	%
MTBF		30,000			Hrs
GENERAL SPECIFICATIONS					
Efficiency	A Type		84		%
	B Type		85		
PHYSICAL SPECIFICATIONS					
Weight		7.76oz (220g)			
Dimensions (L x W x H)		3.74 x 1.65 x 1.14 inches (95 x 42 x 29 mm)			
AC Inlet Connector		IEC-320-C8 or IEC-320-C6 Inlet			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals	UL/cUL UL60950 ⁽⁶⁾				
	FCC				
	CB				
	CE				
	PSE				

NOTES

- (1) The number in red represents the type of AC inlet: "2" is for IEC-320-C8 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 & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- (4) Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at 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 DRAWINGS



Unit: 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.

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