



Size: 4.17in x 2.36in x 1.22in (106mm x 60mm x 31mm)

FEATURES

- RoHS Compliant
- DOE Level VI Efficiency Requirements (Except 5V Models)
- Wide Input Voltage Range of 90-264VAC
- 2-Prong IEC320-C8 AC Inlet, Class II
- Medical 60601-1 3.1 Edition MOPP Approval
- IP22 Level Design
- High Efficiency of >88%
- Short Circuit, Over Load, Over Voltage, and Over Temperature Protection
- UL60601-1 3.1 Edition, CSA-C22.2 No.60601-1 3rd Edition, EN60601-1 3.1 Edition, IEC EN60601-1 3.1 Edition, and IEC 60601-1-11 1st Safety Approvals

DESCRIPTION

The DTAM065B series of AC DC desktop switching adapters provides up to 65 watts of output power. This series consists of single output models with output voltages ranging from 5V to 48V and wide input voltage range of 90-264VAC. Models above 5V are Efficiency Level VI compliant and all models in the series are RoHS compliant. The DTAM065B series has protection against short circuit, over load, over voltage, and over temperature conditions as well as a high efficiency greater than 88%. Each model has medical 60601-1 3.1 edition MOPP, UL60601-1 3.1 Edition, CSA-C22.2 No.60601-1 3rd Edition, EN60601-1 3.1 Edition, IEC EN60601-1 3.1 Edition, and IEC 60601-1-11 1st edition safety approvals.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽¹⁾	Output Regulation	Output Power	Efficiency Level
DTAM040B-1Y050	90-264VAC	5V	8A	50mV	±5%	40W	V
DTAM060B-1Y120		12V	5A	120mV	±5%	60W	VI
DTAM060B-1Y150		15V	4A	150mV	±5%	60W	VI
DTAM065B-1Y190		19V	3.42A	190mV	±3%	65W	VI
DTAM065B-1Y240		24V	2.7A	240mV	±3%	65W	VI
DTAM065B-1Y280		28V	2.32A	280mV	±3%	65W	VI
DTAM065B-1Y480		48V	1.35A	480mV	±3%	65W	VI

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		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	Peak @115VAC cold start @25°C			50	A
	Peak @230VAC cold start @25°C			100	
Input Current (rms)	@90VAC		2		A
	@264VAC max.		1		
OUTPUT SPECIFICATIONS					
Output Voltage			See Table		
Output Regulation			See Table		
Output Power			See Table		
Output Current			See Table		
Ripple & Noise (Vp-p)			See Table		
Hold-Up Time	@Full Load, 115VAC		>10		ms
PROTECTION					
Short Circuit Protection			Auto-Recovery		
Over Load Protection			Auto-Recovery		
Over Voltage Protection			Shutdown and Latch off, AC Recycle		
Over Temperature Protection			Shutdown and Latch off, AC Recycle (Optional)		
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Derate linearly 2.5% per °C from 41 to 60°C	0		60	°C
Storage Temperature		-20		85	°C
Humidity		0		95	%
MTBF	@Full Load and 25°C Ambient Temperature	100,000			Hours

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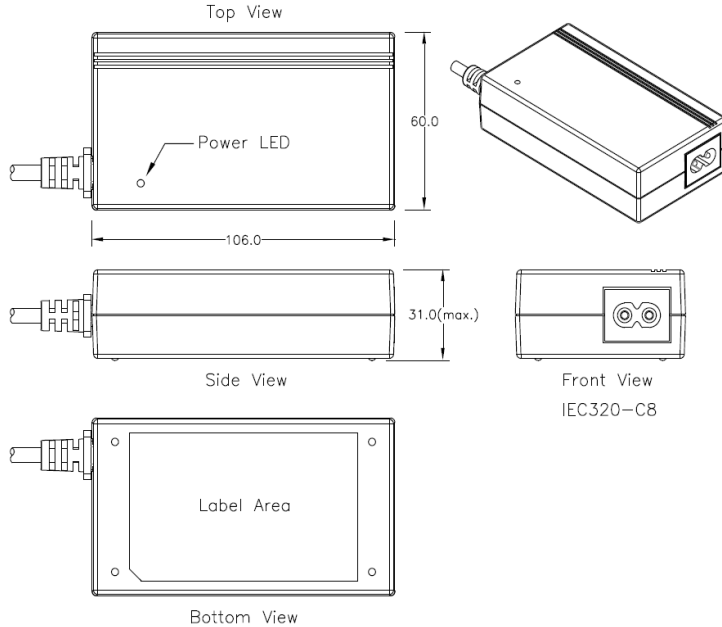
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency	@Average Load, 115/230VAC (Except 5V Model)	88			%
PHYSICAL SPECIFICATIONS					
Weight		8.47oz (240g)			
Dimensions (L x W x H)		4.17in x 2.36in x 1.22in (106mm x 60mm x 31mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Standards	UL60601-1 3.1 Edition ⁽²⁾ CSA-C22.2 No. 60601-1 3.1 Edition EN60601-1 3.1 Edition IEC EN60601-1 3.1 Edition IEC 60601-1-11 1 st Edition				
EMC Standards	EN60601-1-2				Ed4:2015
	IEC60601-1-2				Ed4:2014
	EN55011				Class B
	FCC Part 18				Class B
	CE				

NOTES

- (1) Ripple & Noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
- (2) This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWINGS



Note:

1. AC Inlet: IEC320-C8
2. Plastic Case Color: Black
3. Tolerance: ±0.5mm
4. Unit: mm

Standard Output Cable

1. AWM 1185 #18 AWG/1C + SHIELDING, UL 80°C 300V VW-1, 1000mm.
2. AWM 2464 #18/20 AWG/4C + SHIELDING, UL 80°C 300V VW-1, 1000mm.
3. Depends on customer's requirements.

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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