



Wall Industries, Inc.

DTAM65 Series

65 Watt

Single Output

AC/DC Medical Desktop Adapter

FEATURES

- LED Option
- High Reliability
- Universal Input
- 100% Hi-Pot Tested
- AC Inlet: IEC 320-C14
- 100% BURN-IN Tested
- Safety Approvals, EMC Compliance



SPECIFICATIONS: DTAM65 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 SPECIFICATIONS

Input Voltage Range	90 - 264VAC (Full Range)
Rated Input Voltage Range	100 - 240VAC
Input Frequency	47 - 63Hz
Input Current	2A max.
Inrush Current	30A at maximum at 115VAC, 60A at maximum at 230VAC

OUTPUT SPECIFICATIONS

Output Current	See Table
Output Voltage	See Table
Line Regulation	< 1%
Ripple & Noise (20MHz BW)	See Table
Hold Up Time	>16.6ms typical at full load and 115VAC

PROTECTION

Short Circuit Protection	Auto recover
Over Voltage Protection	Auto recover
Over Power Protection	Auto recover

GENERAL SPECIFICATIONS

Efficiency	5V, 12V > 75% Avg. 115 or 230VAC 15V ~ 48V > 85% Avg. 115 or 230VAC (Meet CEC 2008)
No Load Power Consumption	< 0.5W at 230VAC

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to +70°C ambient (derating at 2.5%/°C from 50°C to 70°C)
Storage Temperature	-10°C to +85°C
MTBF	>100,000 hours at full load and 25°C ambient temperature

PHYSICAL SPECIFICATIONS

Weight	Approximately 12oz.
Dimensions	132.0(L) x 69.00(W) x 40.00(H) mm
AC Input	IEC 320-C14 Inlet
Warranty	2 years

SAFETY & EMI

Safety Standards	UL/c-UL UL60601-1, TUV EN60601-1, CB IEC60601-1
EMC Standards	EN60601-1-2, FCC Part 18 Class B, EN55011 Class B, CE

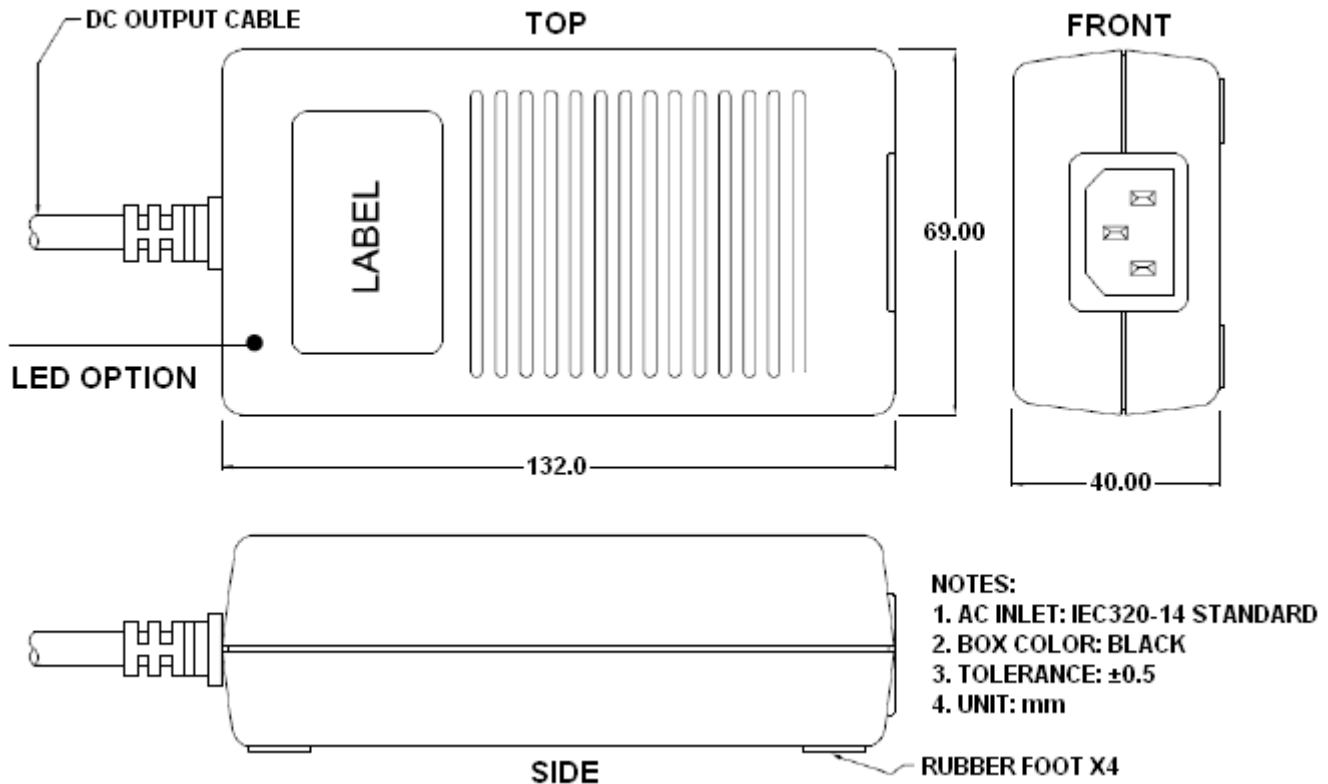
OUTPUT VOLTAGE / CURRENT RATING CHART

Model	Output Voltage	Output Current	Output Power	Output Regulation	Ripple & Noise
DTAM040A1Y05X	5 VDC	8A	40W	5%	100mVp-p
DTAM060A1Y12X	12 VDC	5A	60W	5%	120mVp-p
DTAM060A1Y15X	15 VDC	4A	60W	5%	150mVp-p
DTAM065A1Y18X	18 VDC	3.6A	64.8W	3%	180mVp-p
DTAM065A1Y24X	24 VDC	2.7A	64.8W	3%	240mVp-p
DTAM065A1Y36X	36 VDC	1.8A	64.8W	3%	360mVp-p
DTAM065A1Y48X	48 VDC	1.35A	64.8W	3%	480mVp-p

NOTES

1. The suffix **X** can be **blank** for no LED or **L** for a green LED. Contact factory for ordering details.
2. Ripple & Noise is measured at 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.

MECHANICAL DRAWING



STANDARD OUTPUT CABLE

1. AWM 1185#18AWG 1C+SHIELDING, UL 80°C 300V VW-1, 1800mm.
2. AWM 1571#14~16AWG 1C+SHIELDING, UL 80°C 30V VW-1, 1800mm.
3. Depends on customer's requirements.