

FEATURES

- Class I
- LED option
- High Reliability
- RoHS Compliant
- AC Inlet: IEC 320-C14
- Safety Approvals, EMC Compliance
- CEC/Energy Star Level V Compliant
- Short Circuit, Over Load, and Over Voltage Protection

**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)
Input Frequency	47 - 63Hz
Input Current (rms)	2A max. @90VAC, 1A @264VAC max.
Inrush Current	<50A at maximum at 115VAC, <100A at maximum at 230VAC Cold Start @25°C
Earth Leakage Current	<300uA @264VAC

OUTPUT SPECIFICATIONS

Output Current	See Table
Output Voltage	See Table
Output Regulation	5-15V Models: ±5%, 18-48V Models: ±3%
Ripple & Noise (20MHz BW)	See Table
Hold Up Time	>16ms typical at full load and 115VAC

PROTECTION

Short Circuit Protection	Auto recover
Over Load Protection	Auto recover
Over Voltage Protection	Shutdown and Latch Off, AC Recycle

GENERAL SPECIFICATIONS

Efficiency	>87% @average load, 115/230VAC (Except 5V Models)
No Load Power Consumption	<500mW

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to +70°C ambient (derating at 2.5%/°C from 50°C to 70°C)
Storage Temperature	-20°C to +85°C
Humidity	20~90%
MTBF	>100,000 hours at full load and 25°C ambient temperature

PHYSICAL SPECIFICATIONS

Weight	13.76oz (390g)
Dimensions	5.2in x 2.72in x 1.57in (132mm x 69mm x 40mm)
AC Input	IEC 320-C14 Inlet

SAFETY & EMI

Safety Standards	UL60601-1 3 rd Edition, CSA-C22.2 No. 60601-1 3 rd Edition, EN60601-1 3 rd Edition, IEC EN60601-1 3 rd Edition
EMC Standards	EN60601-1-2, FCC Part 18 Class B, EN55011 Class B, CE

MODEL SELECTION TABLE

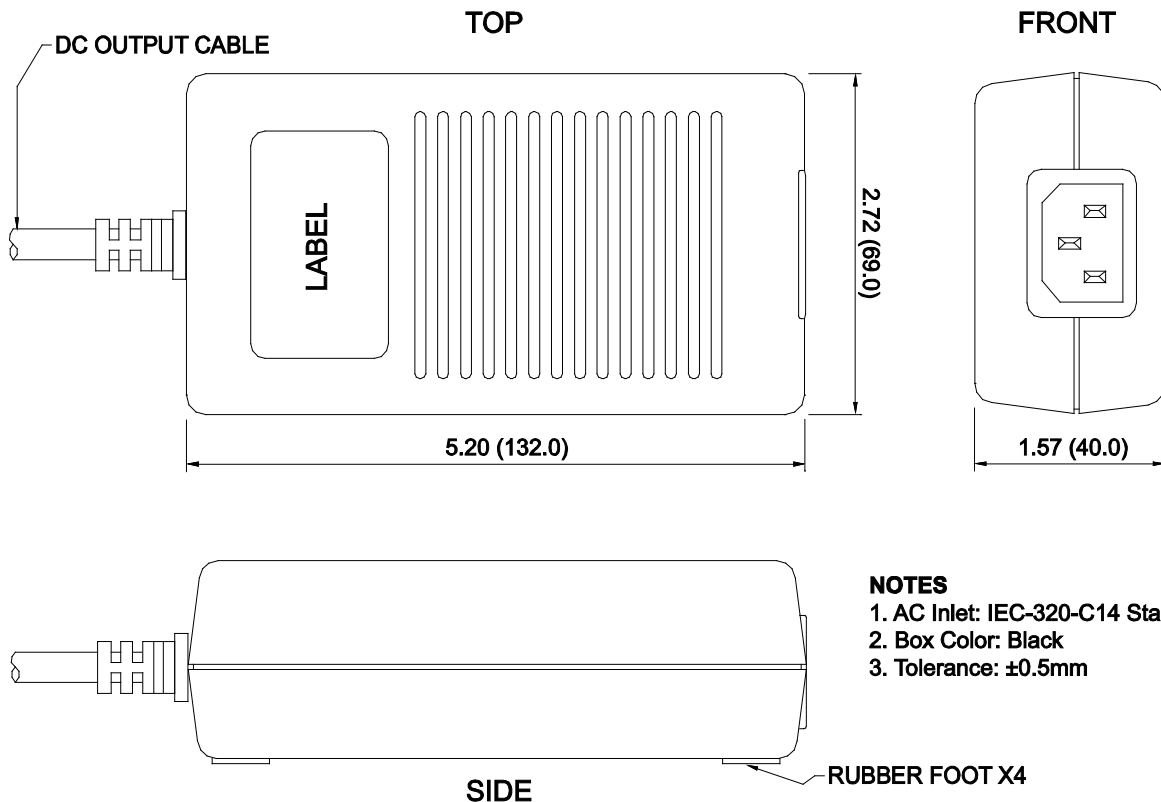
Model	Output Voltage	Output Current	Output Power	Output Regulation	Ripple & Noise
DTAM040A1Y05X ⁽²⁾	5 VDC	8A	40W	±5%	100mVp-p
DTAM060A1Y12X	12 VDC	5A	60W	±5%	120mVp-p
DTAM060A1Y15X	15 VDC	4A	60W	±5%	150mVp-p
DTAM065A1Y18X	18 VDC	3.6A	65W	±3%	180mVp-p
DTAM065A1Y24X	24 VDC	2.7A	65W	±3%	240mVp-p
DTAM065A1Y36X	36 VDC	1.8A	65W	±3%	360mVp-p
DTAM065A1Y48X	48 VDC	1.35A	65W	±3%	480mVp-p

NOTES

- The suffix **X** can be **blank** for no LED or **L** for a green LED. Contact factory for ordering details.
- DTAM040A1Y05X does not meet CEC/Energy Star Level V requirements. All other models meet CEC/Energy Star Level V requirements.
- Ripple & Noise is measured at 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor. *Due to advances in technology, specifications are subject to change without notice.*

MECHANICAL DRAWING

Unit: inches (mm)



NOTES

- AC Inlet: IEC-320-C14 Standard
- Box Color: Black
- Tolerance: ±0.5mm

STANDARD OUTPUT CABLES:

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