



TRG36 SERIES 36W SWITCHING ADAPTER



Features

- *Universal Input Range 90-264VAC
- * Meets EN55022 Class “B” and CISPR/FCC Class B, Conducted
- * Continuous Short Circuit Protection
- * Leakage Current 0.25mA Max.
- * Over Voltage Protection
- * Meet CoC V5 Tier 2 & DoE Level VI
- * (Output cable length \leq 1800mm)
(TRG36A09: Output Cable Length \leq 1220mm)
(TRG36A05: Output Cable Length \leq 720mm
18AWG/UL2464)
- * No Load Power Consumption < 75mW



Ordering information

TRG36AXX-	XX	E	XX
Model No.	DC Plug Type	With OVP	DC Cable Length and Type
			01: 720mm
			02: 1220mm
			03: 1800mm
			11: 720mm with Ferrite Core
			12: 1220mm with Ferrite Core
			13: 1800mm with Ferrite Core
			*18AWG/UL1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE REGULATION NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVG. EFF.
TRG36A05	5V	4.0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 6\%$	83.69%
TRG36A09	9V	3.0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	87.30%
TRG36A12	12V	2.5A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	87.70%
TRG36A13	13.5V	2.4A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	87.97%
TRG36A15	15V	2.4A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	88.31%
TRG36A18	18V	2.0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	88.31%
TRG36A24	24V	1.5A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	88.31%
TRG36A48	48V	0.75A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	88.31%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 50 to 60Hz
 Inrush Current 60A max. @240Vac
 Leakage Current 0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time 8ms typ. @115Vac
 Short Circuit Protection Continuous(Auto Recover)
 Over Voltage ProtectionTVS Component to Clamp
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

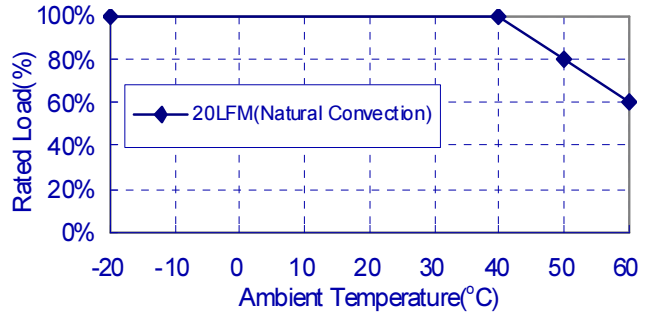
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature -20 ~ 60°C (see derating curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 67KHz typ.
 MTBF MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
 Altitude 2000m
 Dimensions 4.370x2.008x0.886 inches (111.00x51.00x22.50mm)
 Weight 190g(0.42 Pounds)
 AC Inlet IEC320/C8

SAFETY AND EMC:

Emission and Immunity EN55022 Class B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety Class II, IEC60950-1, EN60950-1, UL60950-1

TRG36 Series Derating Curve

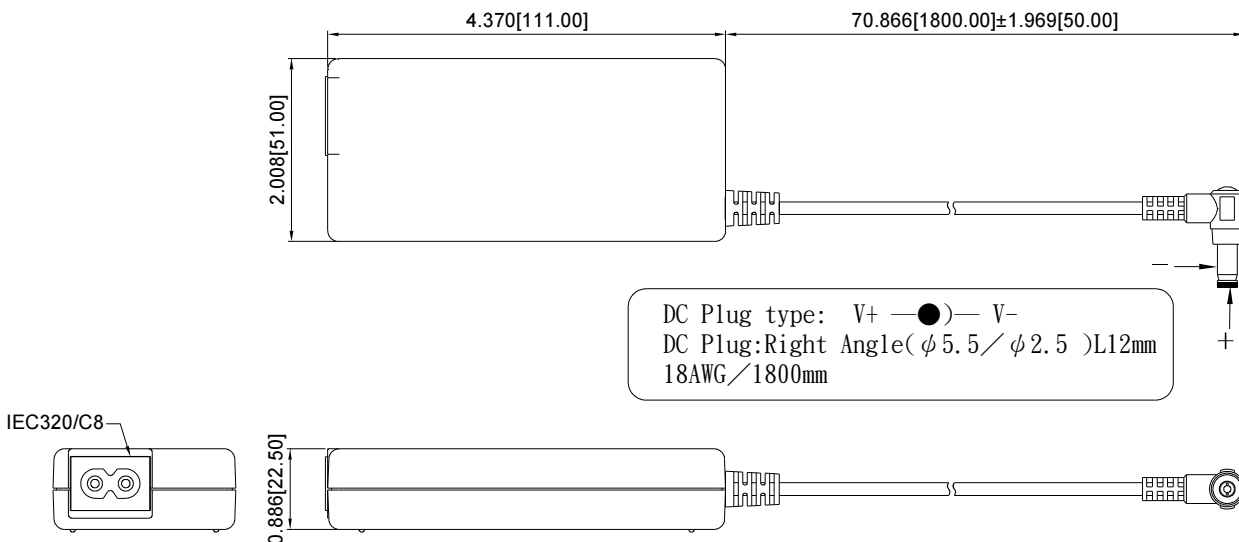


NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
2. Voltage setpoint at 60% load.
3. Line regulation is measured from 100Vac to 240Vac full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% +/- 40% full load).

Mechanical Specification

All Dimensions are in inches(mm)
 Tolerance:Inches:X.XXX±0.02
 Millimeters:X.XX±0.5



Typical at 25°C, nominal line and 75% load, unless otherwise Specified

Mouser Electronics

Authorized Distributor

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Cincon:

[TRG36A24-24E03-LEVEL-VI](#)