

TRG45

S E R I E S

45W SWITCHING ADAPTER



NEW

Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection (Option)
- CEC Level IV Compliant (Output Cable Length \leq 1800mm) (TRG45A120: Output Cable Length \leq 1200mm 16AWG)

Ordering information

TRG45AXX - XX	X	XX
Model No.	DC Plug Type * Please see Page235 for more detailed descriptions	OVP E : With OVP
		DC Cable Length and Type 01 : 720mm 02 : 1200mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1200mm with Ferrite Core 13 : 1800mm with Ferrite Core * 18AWG / UL1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MINI. LOAD	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TRG45A120	12V	3.75 A	0	120mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	100KHz Typ.	84% Typ.
TRG45A150	15V	3.00 A	0	150mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	100KHz Typ.	85% Typ.
TRG45A180	18V	2.50 A	0	180mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	100KHz Typ.	85% Typ.
TRG45A190	19V	2.37 A	0	190mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	100KHz Typ.	85% Typ.
TRG45A240	24V	1.88 A	0	240mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	100KHz Typ.	86% Typ.
TRG45A480	48V	1.00 A	0	480mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	100KHz Typ.	87% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Inrush Current.....70A max. @240Vac
 Conducted EMI.....CISPR/FCC Class B
 IsolationInput to output =4,242VDC
 Leakage Current.....3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time8mS typ. @115Vac
 Short Circuit ProtectionContinuous
 Over Voltage ProtectionYes

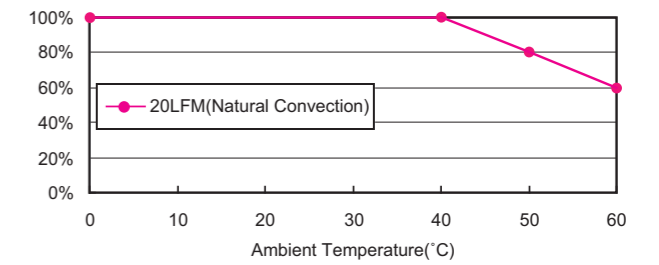
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C
 Cooling.....Natural Convection

MECHANICAL CHARACTERISTICS:

Dimensions120.00 x 52.00 x 31.00mm(4.724 x 2.047 x 1.220 Inches)
 Weight280g
 AC Inlet.....IEC320/C14

TRG45 Series Derating Curve



NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1 μ F ceramic capacitor and a 10 μ F E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation 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 In Inches(mm)
 Tolerance Inches: x.xxx= ± 0.02
 Millimeters: x.xx= ± 0.5

