

TRG100A SERIES 100W SWITCHING ADAPTER WITH PFC











Features

- * Universal Input Range: 90-264VAC
- * Active PFC Meets EN61000-3-2
- * Conductive EMI Meets CISPR/FCC Class B
- * Continuous Short Circuit Protection
- * Over Voltage Protection

Meet CEC & Erp Level V

(Output Cable Length ≤ 1800mm)

(TRG100A120~150: Output Cable Length≤1220mm) (TRG100A180~540: Output Cable Length≤1800mm)



TRG100AXXX- XX

Model No.

DC Plug Type

OVP E: WITH OVP

DC Cable Length and Type

11: 720mm with Ferrite Core

12: 1200mm with Ferrite Core

13: 1800mm with Ferrite Core

21: 720mm with two Ferrite Core

22: 1200mm with two Ferrite Core

23: 1800mm with two Ferrite Core

*16AWG/UL2464



MODEL	OUTPUT VOLTAGE	MIN. LOAD	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	% EFF (Typ.)
TRG100A120	12V	0 A	8.34A	1%	±2%	±1%	±4%	87%
TRG100A125	12.5V	0 A	8.00A	1%	±2%	±1%	±4%	87%
TRG100A135	13.5V	0 A	7.33A	1%	±2%	±1%	±4%	87%
TRG100A150	15V	0 A	6.67A	1%	±2%	±1%	±4%	87%
TRG100A180	18V	0 A	5.56A	1%	±2%	±1%	±2%	87%
TRG100A190	19V	0 A	5.21A	1%	±2%	±1%	±2%	87%
TRG100A200	20V	0 A	5.00A	1%	±2%	±1%	±2%	87%
TRG100A240	24V	0 A	4.17A	1%	±2%	±1%	±2%	87%
TRG100A280	28V	0 A	3.54A	1%	±2%	±1%	±2%	87%
TRG100A290	29V	0 A	3.41A	1%	±2%	±1%	±2%	87%
TRG100A300	30V	0 A	3.30A	1%	±2%	±1%	±2%	87%
TRG100A360	36V	0 A	2.78A	1%	±2%	±1%	±2%	87%
TRG100A480	48V	0 A	2.08A	1%	±2%	±1%	±2%	87%
TRG100A540	54V	0 A	1.85A	1%	±2%	±1%	±2%	87%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	120A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	3.5mA max.

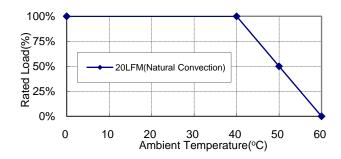
OUTPUT SPECIFICATIONS:

Holdup Time	20ms typ. @115Vac
Short Circuit Protection	Continuous
Over Voltage Protection	Yes

GENERAL SPECIFICATIONS:

Isolation	. Input to output = $4,242VDC$
Operating Temperature	0 ~ 40℃
Storage Temperature	20~85℃
Cooling	Natural Convection
Switching Frequency	45KHz Typical
Dimensions 5.906x2.756x1.378 incl	hes (150.00x70.00x35.00 mm)
Weight	600g(1.36 Pounds)
AC Inlet	IEC320/C14

TRG100A Series Derating Curve

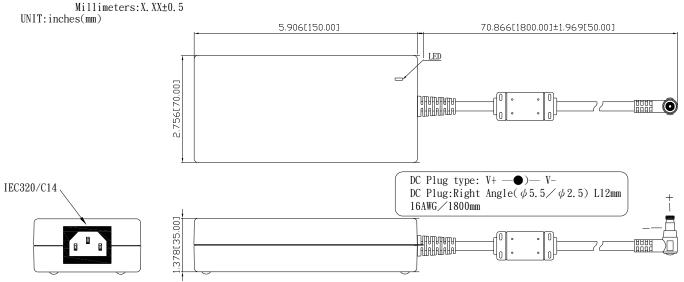


NOTE:

- 1. Voltage setpoint at 60% full load
- Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
- 3. Line regulation measured from 100Vac to 240Vac with full load.
- 4. Load regulation measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)
- 5. "Various TRG Series adapters are PSE certified. PSE certification alone is not sufficient for importation into Japan. A valid PSE mark must contain the name of the importer as shown in the example below. If PSE mark is required, the name of the registered importer must be supplied to Cincon on order placement. Product labels will not contain PSE mark if importer name is not supplied. Consult factory or local representative for details"

Mechanical Specification

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



Typical at 25°C, nominal line and 60% load, unless otherwise Specified