



TRG100A SERIES

100W SWITCHING ADAPTER WITH PFC



Features

- * Universal Input: 90-264Vac
- * Active PFC Meets EN61000-3-2
- * EMI Meets CISPR/FCC Class B
- * High Efficiency, 85% Typical
- * Green Power (Input Power < 0.5W at no load)
- * Meet CEC
(Output Cable Length :
1200mm(max.) for TRG100A-120/150
1800mm(max.) for TRG100A-240/480

Ordering information

TR100AXXX-	XX	E	XX
Model No.	DC Plug Type		DC Cable Length and Type
	*Please see Page213 for more detailed descriptions		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	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF.
TRG100A120	12V	8.34A	0 A	1%	±2%	±1%	±4%	85%
TRG100A125	12.5V	8 A	0 A	1%	±2%	±1%	±4%	85%
TRG100A150	15V	6.67A	0 A	1%	±2%	±1%	±4%	85%
TRG100A240	24V	4.17A	0 A	1%	±2%	±1%	±2%	85%
TRG100A480	48V	2.08A	0 A	1%	±2%	±1%	±2%	85%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	120A max. @264Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242VDC
Leakage Current	3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time	20ms typ. @115Vac
Short Circuit Protection	Continuous
Over Voltage Protection.....	Recycle AC input to restart

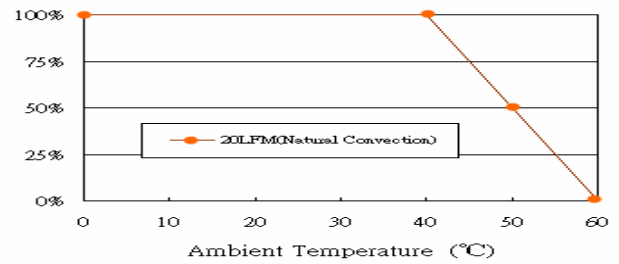
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 85°C
Cooling	Natural Convection

MECHANICAL CHARACTERISTICS:

Dimensions	5.906x2.756x1.378Inches (150.00x70.00x35.00mm)
Weight	600g (1.36Pounds)

TRG100A Series Derating Curve



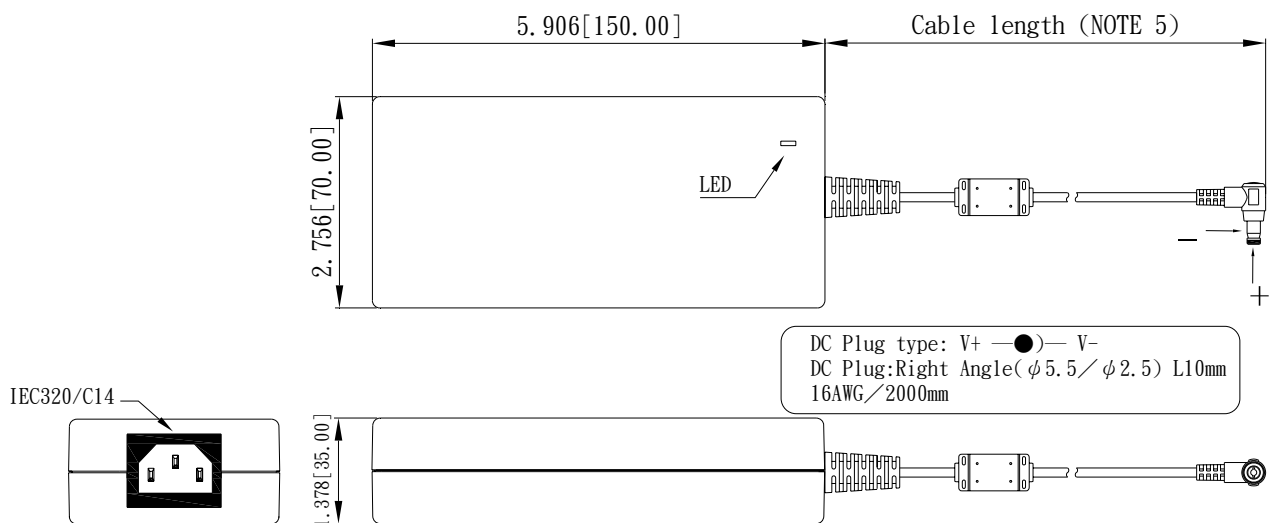
NOTE:

1. Voltage accuracy is set at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% load)
5. Cable Length limit for TRG100A-120/150: 1200mm(max.)
Cable Length limit for TRG100A-240/480: 1800mm(max.)
(For Customer Design)
6. "Various TR 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
Millimeters:X.XX±0.5



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