



TRG70E SERIES

70W SWITCHING ADAPTER



Features

- * 70W Single Output
 - * Universal Input Range 90~264VAC
 - * 2 Pole AC Inlet IEC320/C8
 - * Class II Insulation
 - * Continuous Short Circuit Protection
 - * Meets EN55022 Class B and CISPR/FCC Class B
 - * Meet CEC & ErP Level V
- (Output Cable Length $\leq$ 1800mm)
- (TRG70E120: Output Cable Length $\leq$ 720mm 16AWG)
- (TRG70E150: Output Cable Length $\leq$ 1220mm 16AWG)
- * Meet CoC Tier 2 & DoE Level VI
- (TRG70E120: Output Cable Length $\leq$ 720mm 16AWG)
- (TRG70E240: Output Cable Length $\leq$ 1800mm 18AWG)

Ordering information

TRG70EXXX- XX		X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
		E: With OVP	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 2	VOLTAGE ACCURACY NOTE 1	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVERAGE EFFICIENCY min. NOTE 5
TRG70E120	12 V	5.5 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	89%
TRG70E150	15 V	4.6 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	87%
TRG70E180	18 V	3.9 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87%
TRG70E190	19 V	3.7 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87%
TRG70E240	24 V	3.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	89%
TRG70E480	48 V	1.5 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	Cold Start @25°C 80A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time	8ms typ. @115Vac
Short Circuit Protection	Continuous
Over Voltage Protection	Yes
Temperature Coefficient	±0.05%/°C

GENERAL SPECIFICATIONS:

Isolation	Input to output = 4,242VDC
Operating Temperature	0 ~ 70°C (see derating curve)
Storage Temperature	-20~85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	60KHz Typical
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
Altitude	2000m
Dimensions	5.197x2.283x1.201 inches (132.00x58.00x30.50 mm)
Weight	345g(0.76 Pounds)
AC Inlet	IEC320/C8

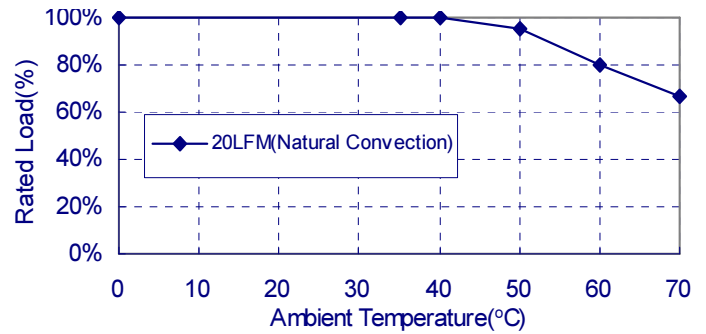
SAFETY AND EMC:

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	IEC60950-1, EN60950-1, UL60950-1

Mechanical Specification

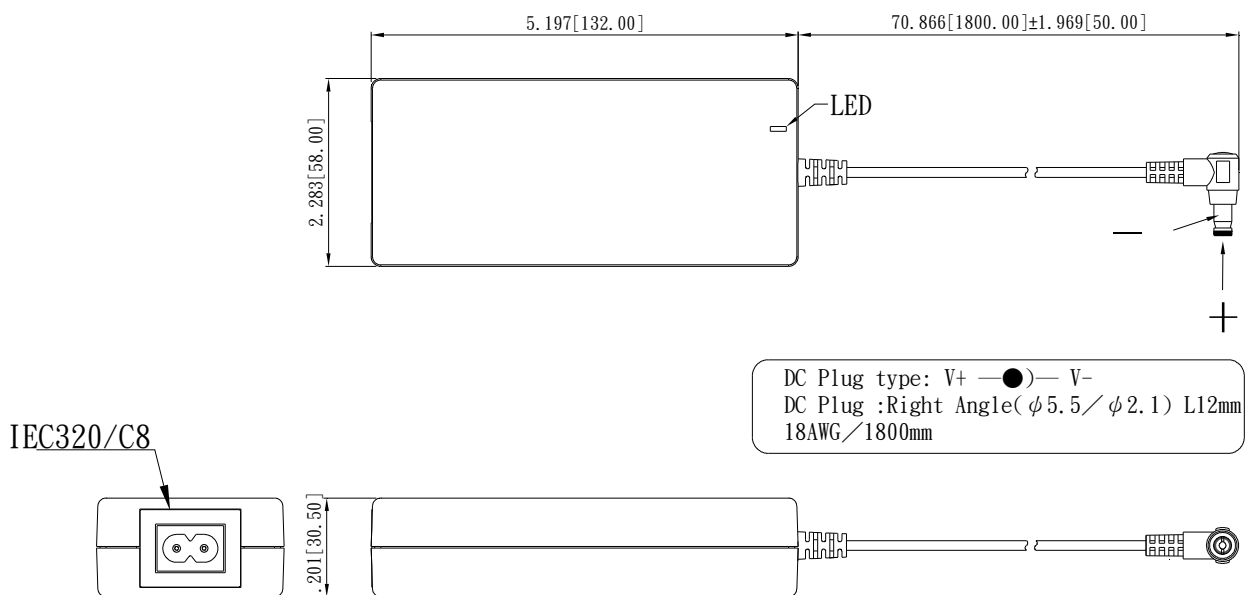
All Dimensions are in inches(mm)
Tolerance: Inches: X.XXX±0.02
Millimeters: X.XX±0.5

TRG70E Series Derating Curve



NOTE:

1. Voltage accuracy at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @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% full load).
5. Typical efficiency at 230VAC and full load at 25°C.



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