



TRG70E SERIES 70W SWITCHING ADAPTER



Features

- * 70W Single Output
- * Universal Input: 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)

Ordering information

TRG70EXX- XX	X	XX
Model No.	DC Plug Type	DC Cable Length and Type
	OVP	01: 720mm
	E: With OVP	02: 1220mm
		03: 1800mm
		11: 720mm with Ferrite Core
		12: 1220mm with Ferrite Core
		13: 1800mm with Ferrite Core
		*18AWG/UL1185



NEW

MODEL	OUTPUT VOLTAGE	MIN. LOAD	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
TRG70E120	12V	0A	5.5A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	82%
TRG70E150	15V	0A	4.6A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	83%
TRG70E180	18V	0A	3.9A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84%
TRG70E190	19V	0A	3.7A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84%
TRG70E240	24V	0A	3.0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	86%
TRG70E480	48V	0A	1.5A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

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

OUTPUT SPECIFICATIONS:

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

GENERAL SPECIFICATIONS:

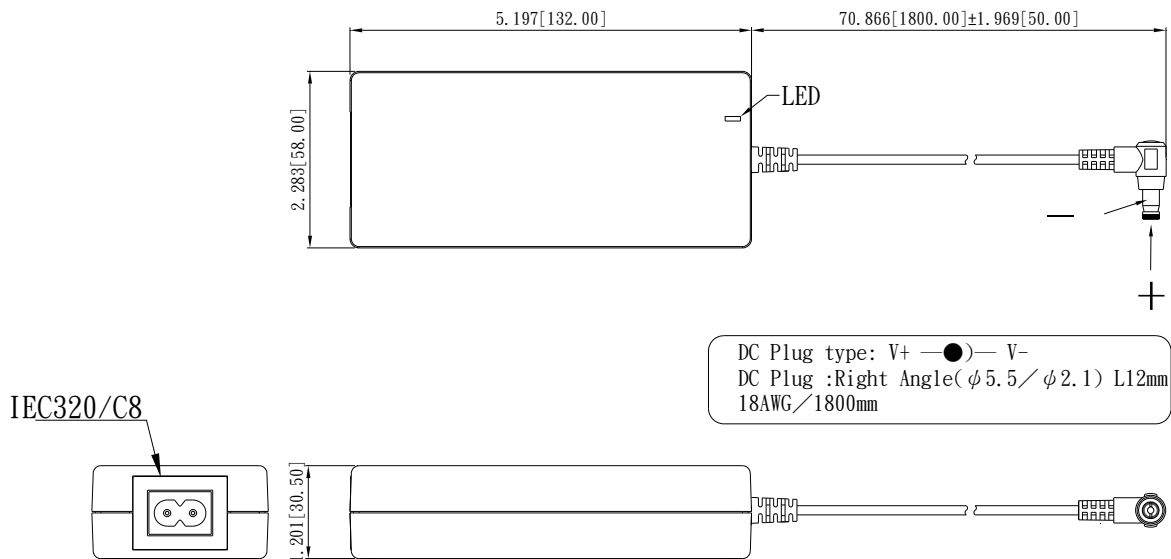
Isolation	Input to output = 4,242VDC	
Operating Temperature	0 ~ 60°C (see derating curve)	
Storage Temperature	-20~85°C	
Humidity	93% RH max. Non condensing	
Cooling.....	Natural Convection	
Switching Frequency	60KHz Typical	
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC	200K hrs min.
Altitude	2000m	
Dimensions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

SAFETY AND EMC:

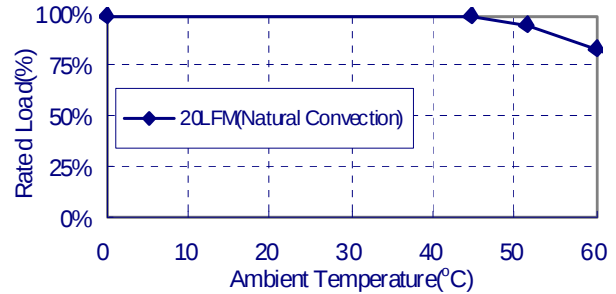
Emission and Immunity	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety	IEC60950-1, EN60950-1, UL60950-1

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 setpoint 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 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)

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