

# TRG70E

S E R I E S

## 70W SWITCHING ADAPTER



NEW

### 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, Conducted
- High Efficiency 85% Typical
- CEC Level IV Compliant (Output Cable Length  $\leq$  1800mm )  
**( TRG70E12 : Output Cable Length  $\leq$  1220mm )**  
**( TRG70E15 : Output Cable Length  $\leq$  1220mm )**

### Ordering information

TRG70DXX	XX	X	XX
Model No.	DC Plug Type * Please see Page235 for more detailed descriptions	OVP Option E : With OVP Option	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 / ULI1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MINI. LOAD	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	%EFF
TRG70E120	12V	5.5 A	0	120mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	81% Typ.
TRG70E150	15V	4.6 A	0	150mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	82% Typ.
TRG70E180	18V	3.9 A	0	180mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84% Typ.
TRG70E190	19V	3.7 A	0	190mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84% Typ.
TRG70E240	24V	3.0 A	0	240mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	86% Typ.
TRG70E480	48V	1.5 A	0	480mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	86% Typ.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage	.....90 ~ 264Vac
Frequency	.....47 to 63Hz
Inrush Current	.....80A max. @240Vac
Conducted EMI	.....CISPR/FCC Class B
Isolation	.....Input to output =4,242VDC
Leakage Current	.....0.25mA max.

#### OUTPUT SPECIFICATIONS:

Holdup Time	.....8mS typ. @115Vac
Short Circuit Protection	.....Continuous
Cooling	.....Natural Convection
Over Voltage Protection	.....Yes

#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature	.....0 ~ 40°C
Storage Temperature	.....-20 ~ 85°C

#### MECHANICAL CHARACTERISTICS:

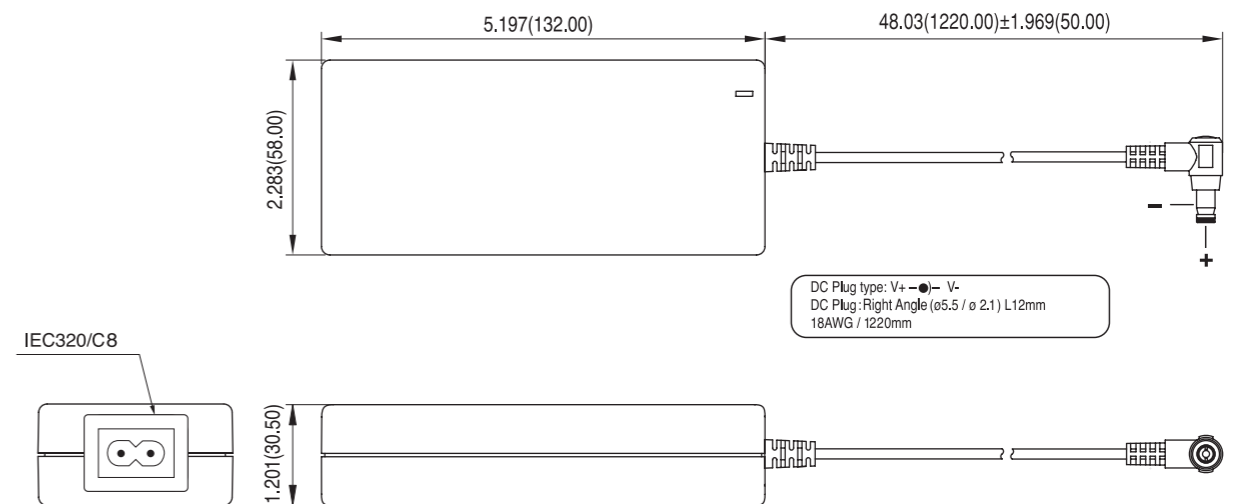
Dimensions	.....132.00 x 58.00 x 30.50mm(5.197 x 2.283 x 1.201 Inches)
Weight	.....345g (0.77 Pounds)

#### NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1 $\mu$ F ceramic capacitor and a 10 $\mu$ F 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)

### Mechanical Specification

All Dimensions In Inches(mm)  
 Tolerance Inches: x.xxx=  $\pm 0.02$   
 Millimeters: x.xx=  $\pm 0.5$



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