

# TRG30R

S E R I E S

## 30W SWITCHING ADAPTER



### Features

- Universal Input Range 90-264VAC
- Interchangeable AC Plugs
- Meets EN61204-3 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm)  
(TRG30R090: Output Cable Length ≤ 1220mm)  
(TRG30R120: Output Cable Length ≤ 1500mm)

### Ordering information

Model No.	DC Plug Type	DC Cable Length and Type	Color of Overmold Case
TRG30RXXX - XX E XX - XX -BK	* Please see Page 235 for more detailed descriptions	01 : 720mm 02 : 1200mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1200mm with Ferrite Core 13 : 1800mm with Ferrite Core * 18AWG / UL1185	BE : Blue GY : Gray RD : Red PE : Purple OR : Orange

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TRG30R090	9V	3.3A	0 A	1%	± 2%	± 1%	± 3%	60KHz Typ.	78% min.
TRG30R120	12V	2.5A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	79% min.
TRG30R150	15V	2.0A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	81% min.
TRG30R180	18V	1.65A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	81% min.
TRG30R240	24V	1.25A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	83% min.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Input Current .....0.8A max.  
 Inrush Current.....50A max. @240Vac  
 Isolation .....Input to output =4,242VDC  
 Leakage Current.....0.25mA max

#### OUTPUT SPECIFICATIONS:

Holdup Time .....10mS typ. @115Vac  
 Short Circuit Protection .....Continuous (Auto Recovery)  
 Over Voltage Protection .....Yes

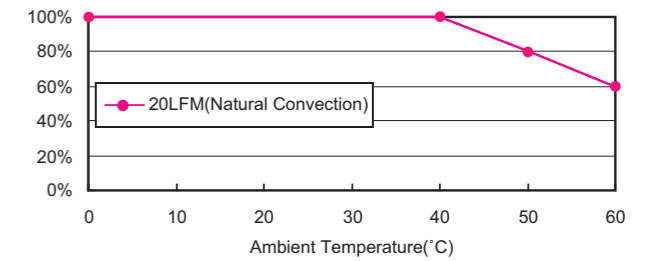
#### ENVIRONMENTAL CHARACTERISTICS:

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

#### MECHANICAL CHARACTERISTICS:

Dimensions .....107.77 x 57.60 x 33.50mm(4.234 x 2.267 x 1.319 Inches)  
 Weight .....300g (0.66 Pounds)

### TRG30R Series Derating Curve



#### NOTE:

1. Voltage setpoint at 60% load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW
3. Line regulation measured from 100Vac to 240Vac , full load
4. Load regulation measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)

### Mechanical Specification

All Dimensions In Inches(mm)  
 Tolerance Inches: x.xxx= ±0.02  
 Millimeters: x.xx= ±0.05

