

# TRG36

S E R I E S

## 36W SWITCHING ADAPTER



### Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Leakage Current 0.25mA Max.
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm) (TRG36A090: Output Cable Length ≤ 1220mm) (TRG36A050: Output Cable Length ≤ 1220mm, 18AWG/UL2464)

### Ordering information

TRG36AXX - XX	XX	X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
* Please see Page 235 for more detailed descriptions			
		E: With OVP	01: 720mm 02: 1200mm 03: 1800mm 11: 720mm with Ferrite Core 12: 1200mm with Ferrite Core 13: 1800mm with Ferrite Core

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TRG36A05	5V	4.0 A	1%	± 2%	± 1%	± 6%	50~70KHz Typ.	73% Typ.
TRG36A09	9V	3.0 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	77% Typ.
TRG36A12	12V	2.5 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	78% Typ.
TRG36A13	13.5V	2.4 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	80% Typ.
TRG36A15	15V	2.4 A	1%	± 2%	± 1%	± 3%	50~70KHz Typ.	80% Typ.
TRG36A18	18V	2.0 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	81% Typ.
TRG36A24	24V	1.5 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	81% Typ.
TRG36A48	48V	0.75 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	83% Typ.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac  
 Frequency .....50 to 60Hz  
 Inrush Current.....60A 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  
 Over Voltage Protection.....Yes

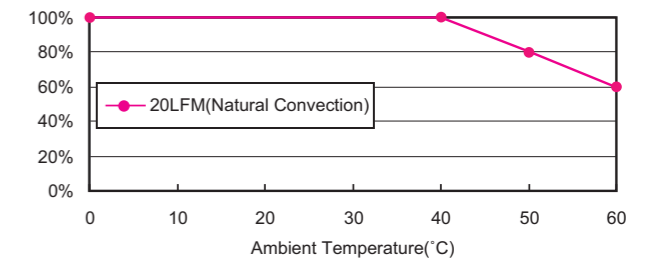
#### ENVIRONMENTAL CHARACTERISTICS:

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

#### MECHANICAL CHARACTERISTICS:

Dimensions .....110.00 x 50.00 x 20.00mm(4.331 x 1.969 x 0.787 Inches)  
 Weight .....190g (0.42 Pounds)  
 AC Inlet.....IEC320/C8

### TRG36 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 measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% +/- 40% full load)

### Mechanical Specification

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

