

## 30W SINGLE PORT POWER OVER ETHERNET ADAPTER



### Features:

- 30W Single Output
- Universal Input Range 90-264VAC
- High Efficiency to 88%
- Meets EN55022 Class B
- Continuous Short Circuit Protection
- Over Voltage Protection
- Meet CEC & ErP Level V

### Ordering information:

TR30P-480-XX- XX  
 Model No. 01: 30W Power Adapter with Output  
 Lightning Protection  
 02: 30W Power Adapter

### Safety Approvals



MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE (2)	VOLTAGE ACCURACY (1)	LINE REGULATION (3)	LOAD REGULATION (4)	% EFF. (Typ.) (5)
TR30P-480-01	48 V	0.63 A	0 A	150 mV	±2%	±0.5%	±1%	88%
TR30P-480-02	48 V	0.63 A	0 A	150 mV	±2%	±0.5%	±1%	88%
TR30P-560-01	56 V	0.54 A	0 A	150 mV	±2%	±0.5%	±1%	88%
TR30P-560-02	56 V	0.54 A	0 A	150 mV	±2%	±0.5%	±1%	88%

## Specifications

### INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac  
 Frequency ..... 47 to 63Hz  
 Input Current ..... 0.8A max.  
 Inrush Current ..... Cold start@25°C 70A max. @240Vac  
 Leakage Current ..... 3.5mA max.

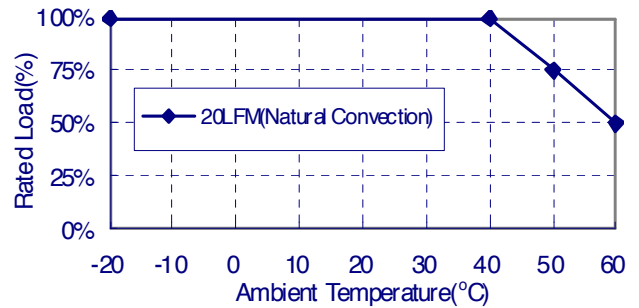
### OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @115Vac  
 Short Circuit Protection ..... (Auto Recovery)  
 Over Current Protection ..... Yes  
 Temperature Coefficient .....  $\pm 0.05\%/^{\circ}\text{C}$

### GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC  
 Switching Frequency ..... 65KHz Typical  
 Operating Temperature ..... -20 ~ 60°C (see Derating Curve)  
 Storage Temperature ..... -20 ~ 85°C  
 Humidity ..... 93% RH max. Non condensing  
 Cooling ..... Natural Convection  
 MTBF ..... MIL-HDBK-217F, GB, 25°C/115VAC ..... 200Khrs min.  
 Altitude ..... 2000m  
 Dimensions ..... 4.724 x 2.047 x 1.22Inches (120.00x52.00x31.00mm)  
 Weight ..... 158g ( 0.35 Pounds)

## TR30P Derating Curve



### NOTE:

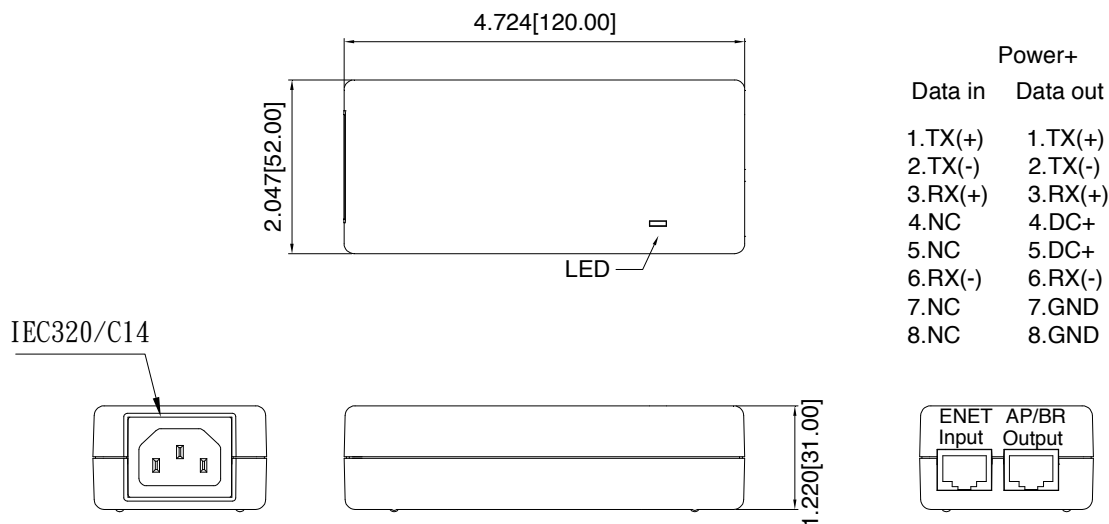
1. Voltage accuracy is set at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% load)
5. Typical efficiency with 230 VAC and max. load at 25°C.

## TR30P Series

All Dimensions are in inches(mm)

Tolerance:Inches:X.XXX $\pm$ 0.02

Millimeters:X.XX $\pm$ 0.5



Typical at 25°C, nominal line and full load unless otherwise stated