

TR30P

S E R I E S

30W POE ADAPTER



Features

- 30W Single Output
- Universal Input Range 90~264VAC
- High Efficiency to 88%
- Meets EN55022 Class B and CISPR/FCC Class B
- Continuous Short Circuit 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

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

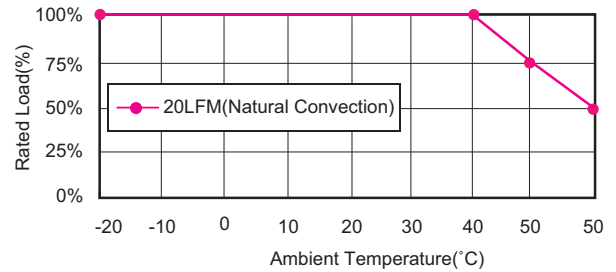
OUTPUT SPECIFICATIONS:

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 1.220 inches (120.00 x 52.00 x 31.00 mm)
 Weight 158g (0.35 Pounds)

TR30P Series Derating Curve



Pin	INPUT	Pin	OUTPUT
1	TX(+)	1	TX(+)
2	TX(-)	2	TX(-)
3	RX(+)	3	RX(+)
4	NC	4	DC+
5	NC	5	DC+
6	RX(-)	6	RX(-)
7	NC	7	GND
8	NC	8	GND

NOTE:

1. Voltage accuracy is set at 60% load and 25°C Ta.
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 In Inches(mm)
 Tolerance Inches: x.xxx = ± 0.02
 Millimeters: x.xx = ± 0.5

