TR30P SERIES
30W POE ADAPTER

Features

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

Ordering information

TR30P-480-XX-

Model No.

XX

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	48V	0.63A	150mV	±2%	±0.5%	±1%	88%
TR30P-480 -02	48V	0.63A	150mV	±2%	±0.5%	±1%	88%
TR30P-560 -01	56V	0.54A	150mV	±2%	±0.5%	±1%	88%
TR30P-560 -02	56V	0.54A	150mV	±2%	±0.5%	±1%	88%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

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

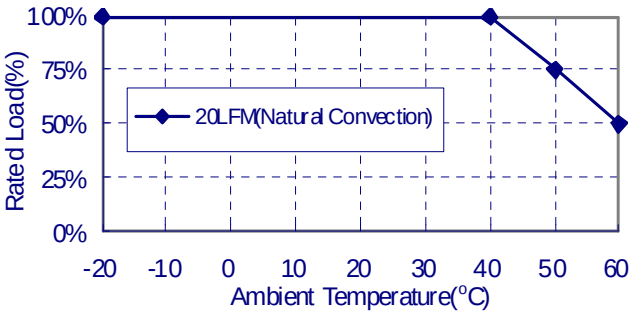
OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @115Vac
Short Circuit Protection ..... (Auto Recovery)
Over Current Protection ..... Yes
Temperature Coefficient ..... ±0.05%/°C

GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Switching Frequency ..... 65KHz Typical
Operating Temperature ..... -20 ~ 60℃(see Derating Curve)
Storage Temperature ..... -20 ~ 85℃
Humidity ..... 93% RH max. Non condensing
Cooling ..... Natural Convection
MTBF ..... MIL-HDBK-217F, GB, 25℃/115VAC ..... 200Khrs min.
Altitude 2000m
Dimensions 4.724 x2.047x1.22Inches (120.00x52.00x31.00mm)
Weight ..... 158g (0.35 Pounds)

TR30P Series Derating Curve

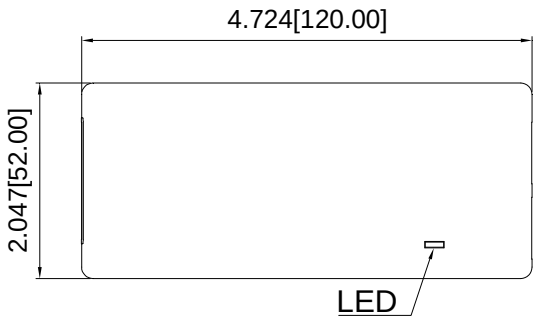


NOTE:

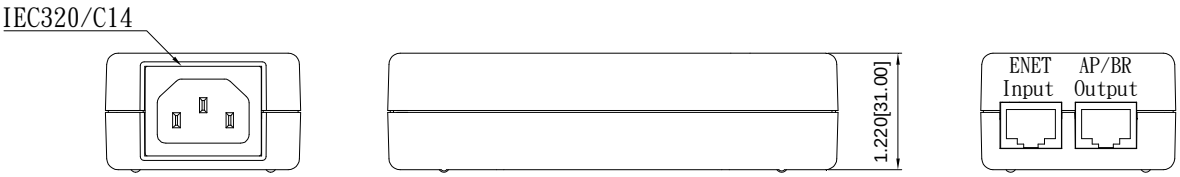
1. Voltage accuracy is set at 60% full load and 25℃ Ta.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from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

Mechanical Specification:

All Dimensions are in inches(mm)
Tolerance:Inches:X.XXX±0.02
Millimeters:X.XX±0.5



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



Typical at 25°C, nominal line and 100% load, unless otherwise Specified