

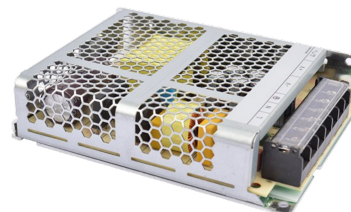
AC/DC ENCLOSED POWER SUPPLY 100W



TRS100-5, TRS100-12, TRS100-15,
TRS100-24, TRS100-36, TRS100-48

Features:

- Small Compact Design
- Cooling by free air convection
- Universal Input
- Withstand 2G Vibration Test
- UL & CE Approved



Description:

The 100W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 6 models with outputs of either 5V, 12V, 15V, 24V, 36V or 48V. Each model is RoHS, CE, and UL approved.

SPECIFICATION						
Part number	TRS100-5	TRS100-12	TRS100-15	TRS100-24	TRS100-36	TRS100-48
DC Voltage	5V	12V	15V	24V	36V	48V
Rated current	16A	8.4A	6.7A	4.2A	2.8A	2.2A
Current Range	0~16A	0~8.4A	0~6.7A	0~4.2A	0~2.8A	0~2.2A
Rated Power	80W	100.8W	100.5W	100.8W	100.8W	105.6W
Ripple & Noise	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
Voltage regulation range	±10.0%					
Voltage Accuracy	≤2%(For 5V unit only) ≤1%(All other models)					
Line Regulation	≤0.5%					
Load Regulation	≤2% (For 5V unit only) ≤1%(All other models)					
No Load Power Consumption	<0.2W					
Turn on time	≤2.5sec					
Hold up time	20ms/230VAC 100% Load					
Input Voltage Range	90~264VAC					
Frequency	47~63Hz					
Input Current	1.9A/115 VAC 1.2A/230VAC Max					
Efficiency	83%	85%	85%	85%	86%	86%
Inrush current	60A/230VAC cold start					
Leakage Current	<1mA/240VAC					
Over Current Protection	110 ~ 160% of rated output, auto-recovery					
Short Circuit Protection	Hiccup Mode, auto-recovery					
Operating Temperature Range	-30°C ~ +70°C (See derating curve)					
Operating Humidity	20 ~ 95%RH (Noncondensing)					
Storage Temperature Range	-40°C ~+85°C					
Storage humidity	10 ~ 95%RH (Noncondensing)					
Temperature Coefficient	±0.03%/°C(0~50°C)					
Vibration	10~500Hz, 2G, 10min/cycle, X, Y, Z 60min in each direction					
Safety Certification	EN62368-1					
Withstand Voltage	I/P-O/P:3.0KV AC, I/P-FG:1.5KV AC, O/P-FG:0.5KVAC					
Isolation Resistance	I/P-O/P, I/P-FG:100MΩ O/P-FG:50MΩ					
EMC (Emissions)	EN55032 Radiated and Conducted Class B, EN61000-3-2,3					
EMC (Immunity)	EN55035, EN61000-4-2,3,4,5,6,8,11					
MTBF	250,000 hours minimum at full load, 25C, per MIL-HDBK-217F					
Size	129×97×30mm(L*W*H)					
Weight	200g					

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Power Partners, Inc
155 Northboro Rd. # 9, Southborough, MA 01772
t: 978.567.9600

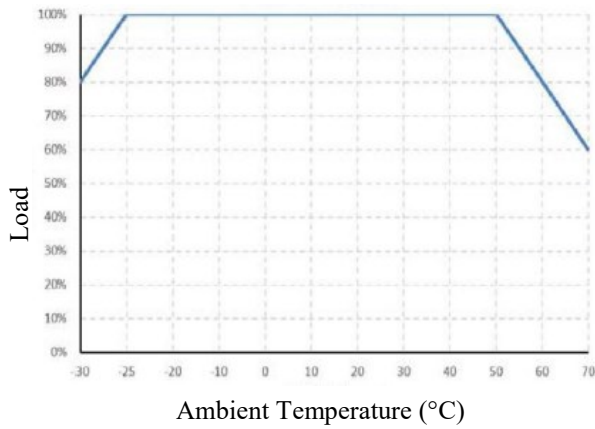
AC/DC ENCLOSED POWER SUPPLY 100W



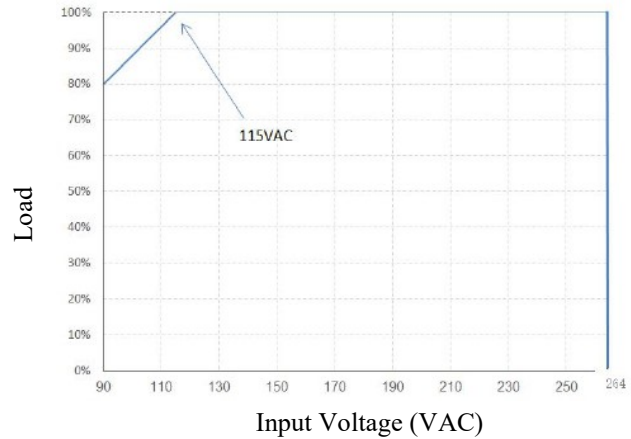
TRS100-5, TRS100-12, TRS100-15,
TRS100-24, TRS100-36, TRS100-48

Diagrams

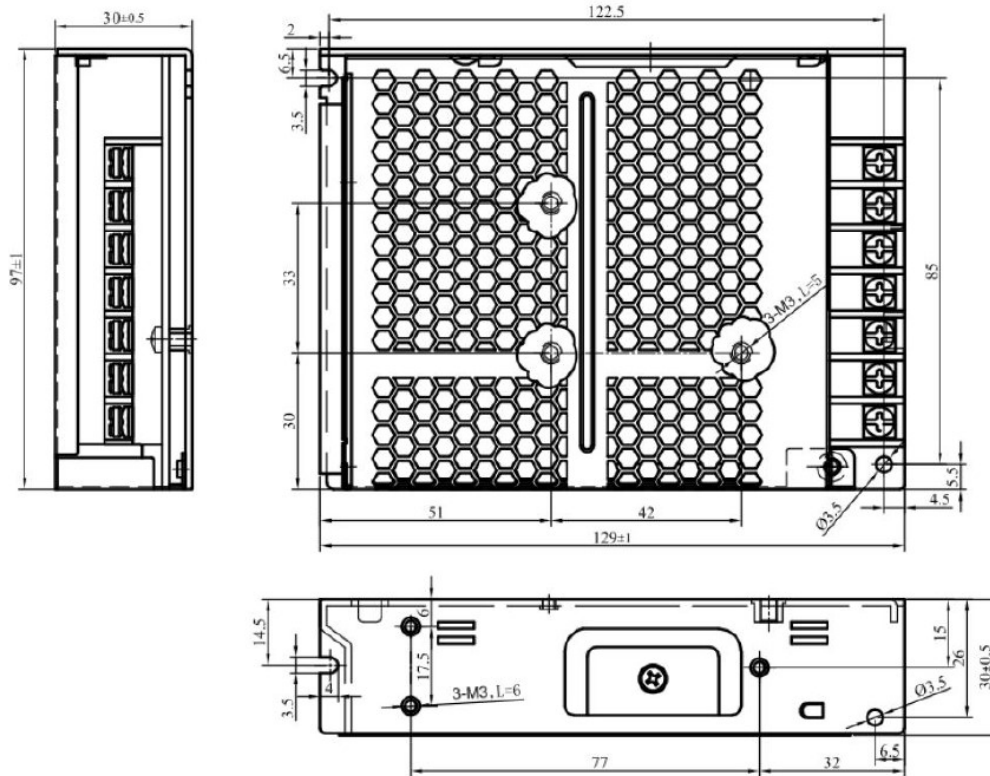
Load vs. Ambient Temperature



Load vs. Input Voltage



Mechanical Drawings



General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Power Partners, Inc
155 Northboro Rd. # 9, Southborough, MA 01772
t: 978.567.9600