

TRG36 Series

36 WATTS - AC/DC GENERAL SINGLE OUTPUT

EXTERNAL POWER SUPPLY

FEATURES

- Wide input voltage
- Continuous short circuit protection
- Over voltage protection
- Output voltage available from 5VDC to 48VDC
- High efficiency 83% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance (Efficiency Mark V pending)
- ROHS compliance



SPECIFICATIONS

INPUT	
Voltage range	90 to 264Vac
Frequency	50Hz to 60Hz
Inrush current	60A max @ 240Vac
Isolation	Input to Output 4,242Vdc
Leakage current	0.25mA max.
OUTPUT	
Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+ 2% 60% full load
Ripple and noise	+ 1% max
Short circuit protection	Continuous
Over voltage protection	Yes
Hold-up time	8ms typ @ 115Vac
Load regulation	+/-2 to +/-6% (20% to 100% load) Model Dependent
Line regulation	+/-1% max 100Vac to 240Vac at full load
ENVIRONMENTAL	
Operating temperature	0°C to +60°C
Load derating	Derate from 100% at 40°C linearly to 60% at 60°C
Storage temperature	-20°C to +85°C

STANDARDS AND APPROVALS	
Safety standards	Queensland Electrical Safety Office Certificate of approval Qld Q080464, AS/NZS 609050.1:2003, EN60950
C-tick	AS/NZS CISPR 11:2002 Group 1
EMI standards	Meets EN55022 Class B and CISPR/FCC Class B
RCM	Complies with AS/NZS 4417 Parts 1,2,3 N911
MECHANICAL	
Dimensions	110.00 x 50.00 x 20mm
Weight	190g
AC inlet	IEC320/C8
Output connector	Right angle, hollow barrel connector, 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity.
DC cord length	720mm with ferrite core 18AWG/UL2464

SELECTION TABLE

Consult Powerbox for variation of output connector and DC Cord Lengths

MODEL NUMBER	RATED V _{NOM}	OUTPUT CURRENT	MAX POWER
TRG36A05 - 21E11	5Vdc	4.0A	20W
TRG36A09 - 21E11	9Vdc	3.0A	27W
TRG36A12 - 21E11	12Vdc	2.5A	30W
TRG36A13 - 21E11	13.5Vdc	2.4A	32W
TRG36A15 - 21E11	15Vdc	2.4A	36W
TRG36A18 - 21E11	18Vdc	2.0A	36W
TRG36A24 - 21E11	24Vdc	1.5A	36W
TRG36A48 - 21E11	48Vdc	0.75A	36W

TECHNICAL ILLUSTRATION

