

TRG45A Series

45 WATTS - AC/DC GENERAL SINGLE OUTPUT

FEATURES

- Wide input voltage
- Continuous short circuit protection
- Over voltage protection
- Output voltage available from 12VDC to 48VDC
- High efficiency 87% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance, Efficiency Mark V
- ROHS compliance



SPECIFICATIONS

INPUT	
Voltage range	90 to 264Vac
Frequency	47Hz to 63Hz
Inrush current	70A max @ 240Vac
Isolation	Input to Output 4,242Vdc
Leakage current	3.5mA max.

OUTPUT	
Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+ 2% 60% full load
Ripple and noise	1% p-p max
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	Yes
Hold-up time	8ms typ @ 115Vac
Load regulation	+/- 2 to +/- 3% (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 Q090052, AS/NZS 60950.1:2003, 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	132 x 58 x 30mm
Weight	280g
AC Inlet	IEC320/C14
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/UL1185

SELECTION TABLE

Consult Powerbox for variation of output connector and DC Cord lengths

MODEL NUMBER	RATED V _{NOM}	OUTPUT CURRENT	MAX POWER
TRG45A120- 21E11-V	12Vdc	3.75A	45W
TRG45A150- 21E11-V	15Vdc	3.00A	45W
TRG45A180- 21E11-V	18Vdc	2.50A	45W
TRG45A190- 21E11-V	19Vdc	2.37A	45W
TRG45A240- 21E11-V	24Vdc	1.88A	45W
TRG45A480- 21E11-V	48Vdc	1.00A	48W

TECHNICAL ILLUSTRATION

