

# TR45 Series

45 WATTS SINGLE OUTPUT AC/DC GENERAL

## Features

- Wide input voltage 90VAC to 264VAC, 50/60Hz
- Continuous short circuit protection
- Output voltage available from 5VDC to 48VDC
- High efficiency 82% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance



## Specifications

### INPUT

Voltage range	90 to 264Vac
Frequency	47Hz to 63Hz
Inrush current	50A max @ 264Vac
Isolation	Input to Output 4242Vdc
Leakage current	1.5mA max.

### OUTPUT

Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+/-2% to +/-4% (60% load)
Ripple and noise	1% p-p max
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	Option
Hold-up time	8ms typ @ 115Vac
Load regulation	+/-2 to +/-6% (20% to 100% load)
Line regulation	+/-1% max at full load

### ENVIRONMENTAL

Operating temperature	0°C to +40°C
Storage temperature	-20°C to +85°C

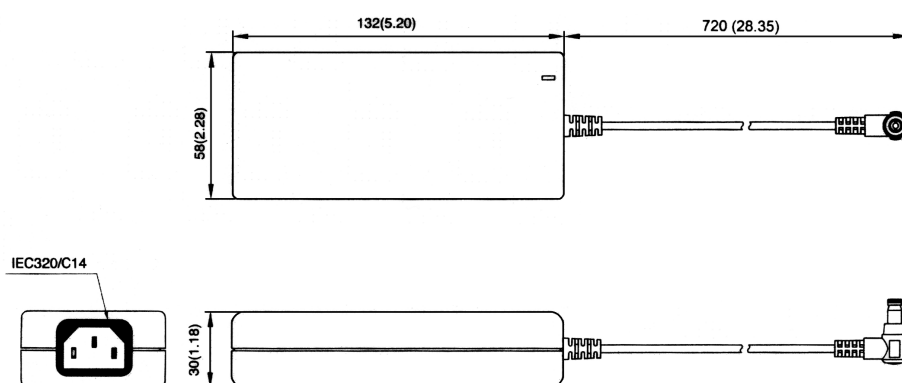
## STANDARDS AND APPROVALS

Safety standards	NSW Office of Fair Trading Certificate of approval NSW19568, EN60950, IEC60950, AS/NZS60950
C-tick	AS/NZS CISPR 11:2002 Group 1,
EMI standards	Class B; Meets EN55022 class "B", conducted
RCM	Complies with AS/NZS 4417 Parts 1,2,3
<b>MECHANICAL</b>	
Dimensions	58x132x30mm
Weight	350g
AC Inlet	IEC320/C14
Output connector	Right angle, hollow coaxial plug, 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity.
DC cord length	720mm with ferrite core 18AWG/UL1185 Note: TR45A05 is 16AWG/UL1185

## Selection Table

MODEL NUMBER	RATED V <sub>nom</sub>	OUTPUT CURRENT	MAX POWER
TR45A05-21A11	5Vdc	6.0A	30W
TR45A12-21A11	12Vdc	3.75A	45W
TR45A15-21A11	15Vdc	3.0A	45W
TR45A18-21A11	18Vdc	2.5A	45W
TR45A19-21A11	19Vdc	2.37A	45W
TR45A24-21A11	24Vdc	1.88A	45W
TR45A48-21A11	48Vdc	1.0A	48W

## Technical Illustration



Note: MEPS compliance model number change to eg. TRG45A12-21A11. Available, OCT 2007.