# 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

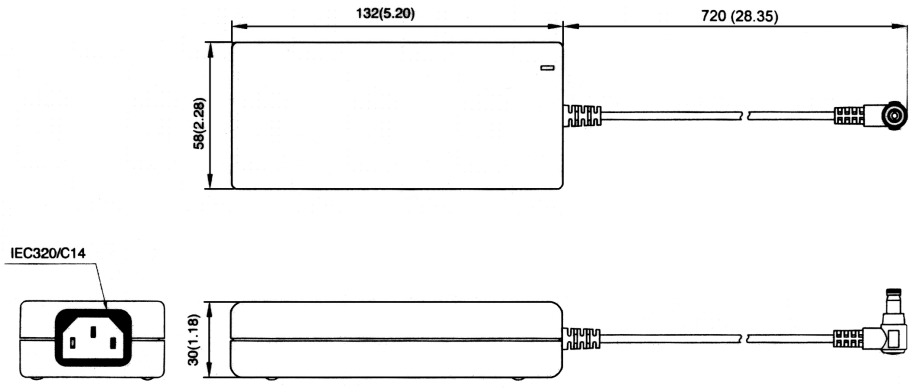
| INPUT | |
|---|---|
| Voltage range | 90 to 264Vac |
| Frequency | 47Hz to 63Hz |
| Inrush current | 50A max @ 264Vac |
| Isolation | Input to Output 4242Vdc |
| Leakage current | 1.5mA max. |
| **OUTPUT** | |
| Output voltage | Factory preset, see table (not adjustable) |
| Voltage set-point | +/-2% 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 |
| **MECHANICAL** | |
| 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 Vnom | 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.



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