

TRH100A SERIES

100 WATTS - AC/DC DESKTOP SUPPLY

FEATURES

- 100W Desktop Supply
- Australian / New Zealand Approved
- Regulatory Compliance Mark RCM: AS/NZS4417
- Safety: Certificate of Approval ESO160346
- Energy Efficiency: GEMS Determination 2014
- Meets CoC Tier 2 & DoE Level VI
- Active PFC meets EN61000-3-2
- Meets EN55022 Class B and CISPR/FCC Class B
- Over Voltage Protection
- Continuous Short Circuit Protection

SPECIFICATIONS

INPUT	
Voltage Range	90 to 264Vac
Frequency	47Hz to 63Hz
Input Current	1.2A max
Inrush Current	Cold start @25C 120Amax @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	3.5mA max
OUTPUT	
Output Voltage	See selection table Factory preset, not adjustable
Voltage Set-point	+/-2%
Ripple and Noise	1% p-p max
Hold up time	16ms typ @ 115Vac
Load Regulation	+/-2 to +/-4% (60% to 100% load)
Line Regulation	+/-1% max 100Vac to 240Vac at full load.
Temperature Coefficient	+/- 0.05%/C
Switching Frequency	Typical. 65KHz
Efficiency	Typical. 89%
MTBF	MIL-HDBK-217F, 25C Ta 160Khrs min
PROTECTION	
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	TVS Component to Clamp
Isolation	Input to Output 4,242Vdc

STANDARDS AND APPROVALS	
Australian Approvals	RCM - Regulatory Compliance Mark, AS/NZS4417
Safety	Certificate of Approval ESO160346 AS/NZS60950.1:2015 EESS Registration E2016009527 Level 3, Power Supply Class I, IEC60950-1, EN60950-1, UL60950-1
EMC	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Energy Efficiency	GEMS Determination 2014, External Power Supplies High Efficiency 2014 (Mark VI) DoE Level VI, CoC V5 Tier 2
ENVIRONMENTAL	
Operating Temperature	-30°C to +70°C
Derating	See derating curve
Cooling	Natural convection
Storage Temperature	-40°C to +85°C
Humidity	93% RH max. Non condensing
Altitude	5,000m
MECHANICAL	
Dimensions	142 x 58 x 37mm
Weight	485g
AC Inlet	IEC320/C14.C6
Output Connector	Right angle, hollow barrel connector 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity. Output connection options available.
DC Cord Length	720mm with ferrite core. DC cord length options available.



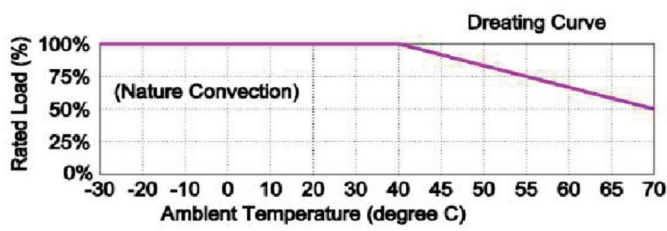
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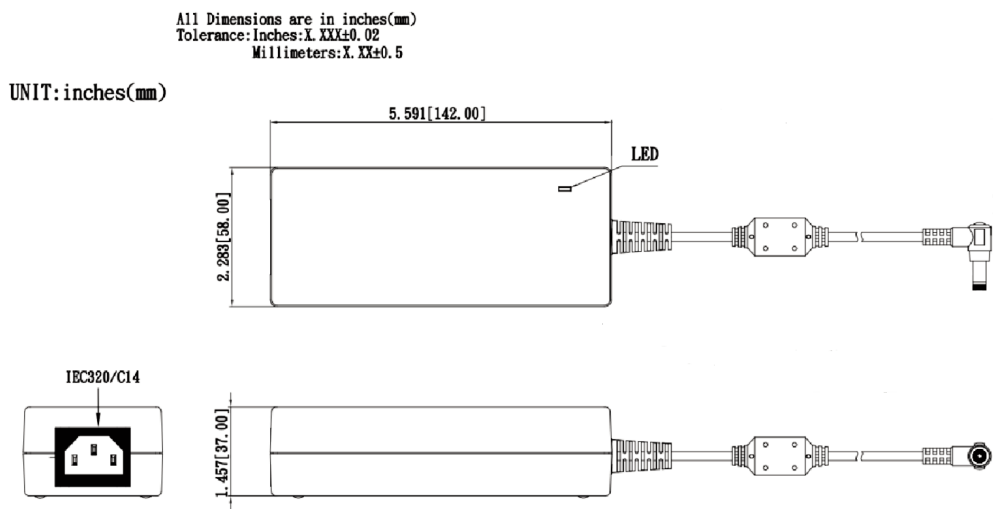
SELECTION TABLE

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER
TRH100A120- 21E11-VI	12Vdc	8.34A	100W
TRH100A135-21E11-VI	13.5Vdc	7.3A	100W
TRH100A150- 21E11-VI	15Vdc	6.67A	100W
TRH100A180- 21E11-VI	18Vdc	5.56A	100W
TRH100A190- 21E11-VI	19Vdc	5.26A	100W
TRH100A240- 21E11-VI	24Vdc	4.17A	100W
TRH100A280-21E11-VI	28Vdc	3.54A	100W
TRH100A360-21E11-VI	36Vdc	2.78A	100W
TRH100A480-21E11-VI	48Vdc	2.1A	100W

DERATING CURVE



TECHNICAL ILLUSTRATION



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Australia & New Zealand



Powerbox Australia Pty Ltd

Sydney Head Office
4 Beaumont Road,
Mt Kuring-Gai, NSW 2080
Australia



1800 251 380



sales@powerbox.com.au



powerbox.com.au

Powerbox Pacific Ltd

New Zealand Sales Office
1a Henry Rose Place,
Albany, Auckland
New Zealand 0632



09 4158 320



sales@powerbox.co.nz



powerbox.co.nz