

# TRG70 Series

70 WATTS - AC/DC GENERAL SINGLE OUTPUT

EXTERNAL POWER SUPPLY

## FEATURES

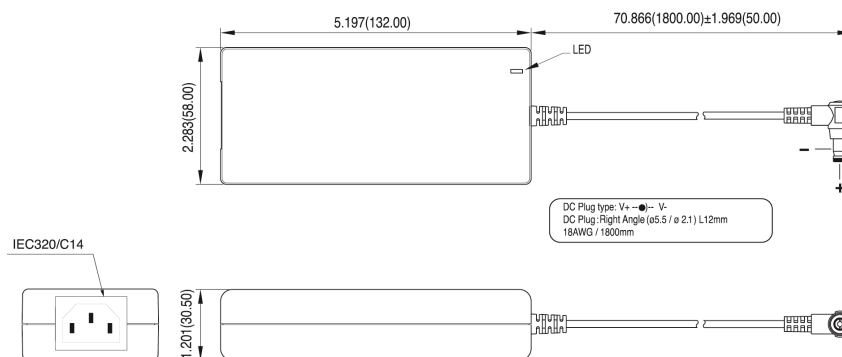
- Wide input voltage
- Continuous short circuit protection
- Over voltage protection
- Output voltage available from 12VDC to 48VDC
- High efficiency 87% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance (Efficiency Mark V pending)
- ROHS compliance



## SPECIFICATIONS

INPUT	
Voltage range	90 to 264Vac
Frequency	50Hz to 60Hz
Inrush current	60A max @ 240Vac
Isolation	Input to Output 4,242Vac
Leakage current	3.5mA max.
OUTPUT	
Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+/-2% (60% 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 +/-5% (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 50% at 60°C
Storage temperature	-20°C to +85°C

## TECHNICAL ILLUSTRATION



STANDARDS AND APPROVALS	
Safety standards	Queensland Electrical Safety Office Certificate of approval Qld Q080453, 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	132 x 58 x 30.5mm
Weight	345g
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 length

MODEL NUMBER	RATED V <sub>NOM</sub>	OUTPUT CURRENT	MAX POWER
TRG70A120- 21E11	12Vdc	5.5A	66W
TRG70A150- 21E11	15Vdc	4.6A	69W
TRG70A180- 21E11	18Vdc	3.9A	70W
TRG70A190- 21E11	19Vdc	3.7A	70W
TRG70A240- 21E11	24Vdc	3.0A	72W
TRG70A480- 21E11	48Vdc	1.5A	72W