

# TEX120 Series

120 Watt Single Output Encapsulated Switching Power Supplies

# TRACOPOWER

PCB Mount and/or Encapsulated Switchers

Dimensions: 6.85 x 3.66 x 2.20"

## Features:

- Sealed, rugged die-cast aluminium case
- Dust- and water resistant to IP67 & NEMA 4X
- Wide operating temperature range -40 °C to +85 °C
- Easy connection via water proof plugs
- Universal input voltage 90~264 VAC
- Adjustable output voltage
- Short circuit and overload protection
- UL 508 listed ATEX approval for hazardous locations
- 3 Year Warranty



## Input Specifications:

Input Range	Universal AC input Range (90~264 VAC)
Input Frequency	47-63 Hz
Inrush Current	See Detailed Spec
Input Current	See Detailed Spec
Efficiency	90% Typical (depending on output model)
Hold-up Time	See Detailed Spec
Leakage Current	See Detailed Spec
Harmonics	See Detailed Spec

## Output Specifications:

Adjustment Range	12~15 / 24~28 VDC via internal potentiometer
Minimum Load	none required
Regulation	0.5% Line / 1% Load
Ripple / Noise	See Detailed Spec
Set-Point Accuracy	See Detailed Spec
Over Current Protection	>125% of Inom
Over Voltage Protection	See Detailed Spec

## Status & Control Signals:

n/a

## Electromagnetic Compatibility:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

## Environmental Specifications:

Operating Temp	-40~+85°C (DeRate 2.0%/°C above 60°C max)
Storage Temp	-40°C ~ +85°C max.
Cooling	Convection Cooled
Humidity	Up to 98%RH (non-condensing)
Vibration	meets IEC60068-2-6
Shock	meets IEC60068-2-27
Reliability	see detailed specification

## Safety & Emissions:

- CSA/UL 60950-1
- IEC/EN 60950-1 (CB-Report)
- EN 61558-2-8
- ANSI/CSA 60079-15 (class I, div. 2)
- Safety class 1 (IEC 536)
- UL 508 listed (pending)
- EN 50178, EN 60204
- IEC/EN 60079-15 (class I, div.2)
- EN 50021, ATEX 94/9/EC (option EX)
- EMC: EN61000-6-2, SEMI F47
- EN55011 /EN55022 Class B

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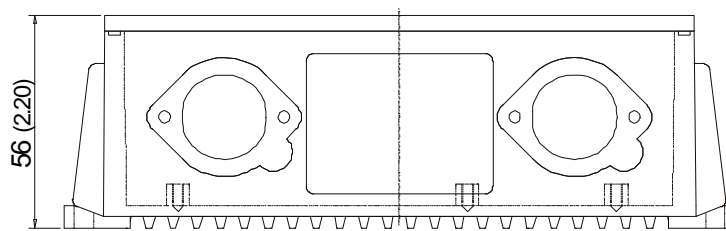
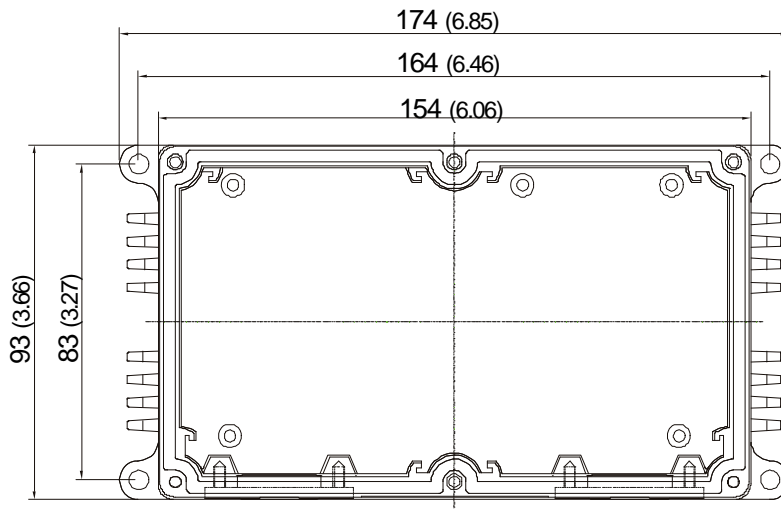
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### Output Models:

TEX120-112	12V 8A
TEX120-124	24V 5A

### Mechanical Specifications:

Weight (pounds): see detailed spec



( ) = Inches

Soft Copy of this Specification:  
<http://www.powergatellc.com/pdfs/TEX120.pdf>

Detailed Specification:  
<http://www.tracopower.com/products/tx120.pdf>