

# TRG150A Series

150 Watt Single Output AC-DC Adaptor with PFC



E176177

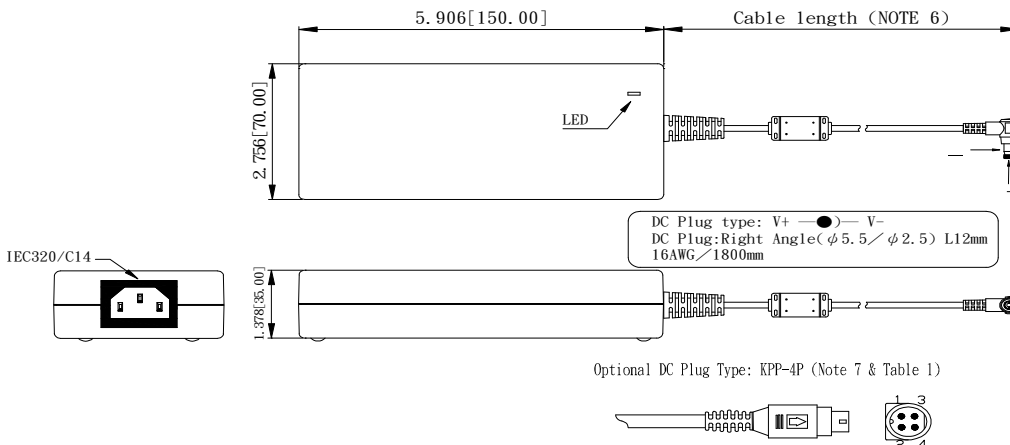
FEATURES	SPECIFICATIONS													
<ul style="list-style-type: none"> <li>■ Universal Input : 90 ~ 264Vac</li> <li>■ Active PFC Meets EN61000-3-2</li> <li>■ EMI Meets CISPR/FCC Class B</li> <li>■ High Efficiency at 85% min. @115Vac</li> <li>■ Green Power (Input Power &lt; 0.5W at no load).</li> <li>■ CEC Level IV Compliant (Output Cable Length : 950mm(max.) for TRG150A120 1220mm(max.) for TRG150A150 1800mm(max.) for TRG150A240/480)</li> </ul> <p>NOTE</p> <p>1: Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple &amp; Noise measuring @20MHz BW.</p> <p>2: Voltage accuracy is set at 60% rated load and 25°C Ta.</p> <p>3: Line regulation is measured from 100Vac to 240Vac with rated load.</p> <p>4: Load regulation is measured at 60%±40% rated load.</p> <p>5: Dimensions tolerance : +/- 1mm.</p> <p>6: Standard Cable Length : 950mm(max.) for TRG150A120 1220mm(max.) for TRG150A150 1800mm(max.) for TRG150A240/480</p> <p>7: DC Plug : Right Angle(φ5.5/φ2.5/L12mm) is the standard plug for TRG150A Series. KYCON KPP-4P or equivalent is optional. Please contact Cincon for more detailed descriptions.</p>	<ul style="list-style-type: none"> <li>■ Input Characteristics</li> </ul> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Voltage</td> <td>90 ~ 264Vac</td> </tr> <tr> <td>Frequency</td> <td>47 to 63Hz</td> </tr> <tr> <td>Inrush Current at 25°C cold start</td> <td>120A Max. @264Vac</td> </tr> <tr> <td>EMI</td> <td>CISPR/FCC Class B</td> </tr> <tr> <td>Isolation</td> <td>Input to output = 4,242Vdc</td> </tr> <tr> <td>Leakage Current</td> <td>3.5mA Max.</td> </tr> </table>		Voltage	90 ~ 264Vac	Frequency	47 to 63Hz	Inrush Current at 25°C cold start	120A Max. @264Vac	EMI	CISPR/FCC Class B	Isolation	Input to output = 4,242Vdc	Leakage Current	3.5mA Max.
	Voltage	90 ~ 264Vac												
	Frequency	47 to 63Hz												
	Inrush Current at 25°C cold start	120A Max. @264Vac												
	EMI	CISPR/FCC Class B												
	Isolation	Input to output = 4,242Vdc												
	Leakage Current	3.5mA Max.												
<ul style="list-style-type: none"> <li>■ Output Characteristics</li> </ul> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Total Rated Output Power</td> <td>150W</td> </tr> <tr> <td>Hold-up Time</td> <td>8mS typ. @115Vac</td> </tr> <tr> <td>Over Voltage Protection</td> <td>Recycle AC input to Restart.</td> </tr> <tr> <td>Short Circuit Protection</td> <td>Auto Recovery</td> </tr> <tr> <td>Over Temperature Protection</td> <td>Auto Recovery</td> </tr> </table>		Total Rated Output Power	150W	Hold-up Time	8mS typ. @115Vac	Over Voltage Protection	Recycle AC input to Restart.	Short Circuit Protection	Auto Recovery	Over Temperature Protection	Auto Recovery			
Total Rated Output Power	150W													
Hold-up Time	8mS typ. @115Vac													
Over Voltage Protection	Recycle AC input to Restart.													
Short Circuit Protection	Auto Recovery													
Over Temperature Protection	Auto Recovery													
<ul style="list-style-type: none"> <li>■ Environmental Characteristics</li> </ul> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Operating Temperature</td> <td>0 ~ 65°C</td> </tr> <tr> <td>Storage Temperature</td> <td>40~65°C with 2%/°C Derating. -20 ~ 85°C</td> </tr> </table>		Operating Temperature	0 ~ 65°C	Storage Temperature	40~65°C with 2%/°C Derating. -20 ~ 85°C									
Operating Temperature	0 ~ 65°C													
Storage Temperature	40~65°C with 2%/°C Derating. -20 ~ 85°C													
<ul style="list-style-type: none"> <li>■ Mechanical Outline</li> </ul> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Dimensions</td> <td>180x74x41mm( 7.08x2.91x1.61Inches)</td> </tr> </table>		Dimensions	180x74x41mm( 7.08x2.91x1.61Inches)											
Dimensions	180x74x41mm( 7.08x2.91x1.61Inches)													

Model	Output Voltage	Output Current (A)		Ripple & Noise	Voltage Accuracy	Line Reg.	Load Reg.
		Rated	Min.				
TRG150A120	+12V	12.50	0	2%	±2%	±1%	±5%
TRG150A150	+15V	10.00	0	2%	±2%	±1%	±5%
TRG150A240	+24V	6.25	0	2%	±2%	±1%	±5%
TRG150A480	+48V	3.13	0	2%	±2%	±1%	±5%

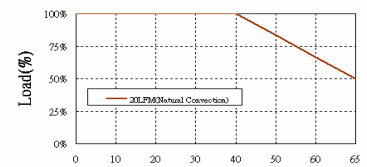
Typical @25°C, nominal line and 60% rated load, unless otherwise specified.

## DRAWINGS:

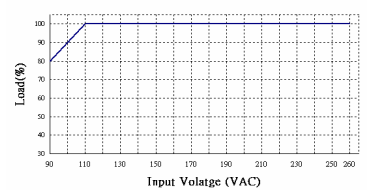
All Dimensions are in inches(mm)  
Tolerance: Inches: X.XXX±0.02  
Millimeters: X.XX±0.5



Temperature Wattage Derating Curve



Low Voltage Wattage Derating Curve



Pin	Assignment
1	Output +
2	Output +
3	Return/Input Earth
4	Return/Input Earth
Shell	Return/Input Earth

2009/7/13V16.0

Distributed by: Power Sources Unlimited, Inc., Wrentham, MA Tel: 508-384-1419 | E-mail: sales@psui.com | Website: www.psui.com