

TRG150A

150 Watt

- Desktop adapters for the industry
- High reliability (MTBF)
- Compliant with ErP and CEC level V

The series TRG150 desktop adapters supply power to professional devices in commerce and industry. Robustly constructed, the adapters are also equipped with top quality components for many years of operation. They comply with current requirements for ecological design and have an idle consumption of less than 0.5 Watt. The entirely closed plastic case protects the adapter against dust and dirt.



Desktop adapter

Technical data

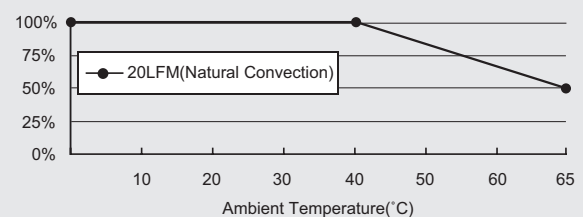
Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Inrush current	120 A max / 264 V AC
Efficiency	App. 89...90%
Idle consumption	≤0.5 W
Hold up time	App. 8 ms / 115 VAC
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: Re-start after disconnection from supply Overtemperature protection: Switch off with auto recovery
Line regulation	±2...4 % at rated load and input voltage change of 100...240 V AC
Load regulation	±≤5 % (load step ±40 % related to 60 % load)
Leakage current	<2.37 mA earth leakage current (264 VAC / 60 Hz)
Safety / EMC	TÜV, UL, CE
Temperature	Operating: 0...+65 °C / Storage: -20...+85 °C
Derating	In the range of +40...+65 °C, 2 % / °C
Max. operation altitude	2000 m
MTBF	App. 180 000...209 000 h according to MIL-HDBK-217F at +25 °C
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	74 x 180 x 41 mm ±0.5 mm
Weight (net)	0.9 kg

Product specific data

ECO standard	ErP directive 2009/125/EG, CEC level V
Earth conductor	The earth conductor PE (primary) is connected to -V _{out} (secondary)



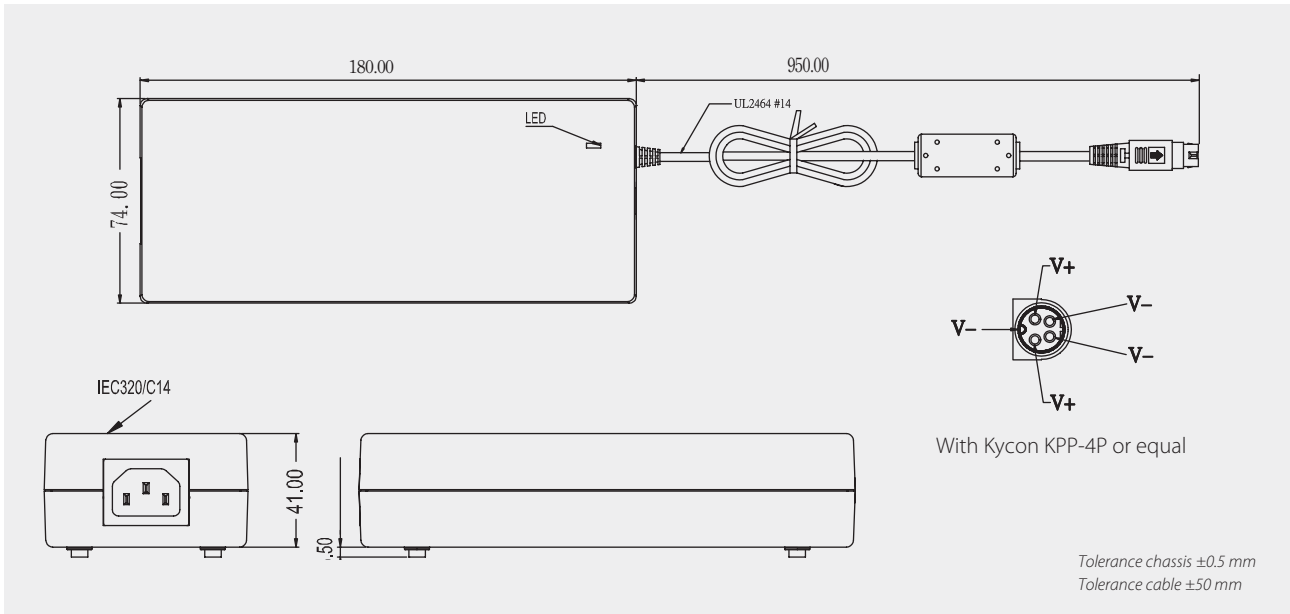
Derating



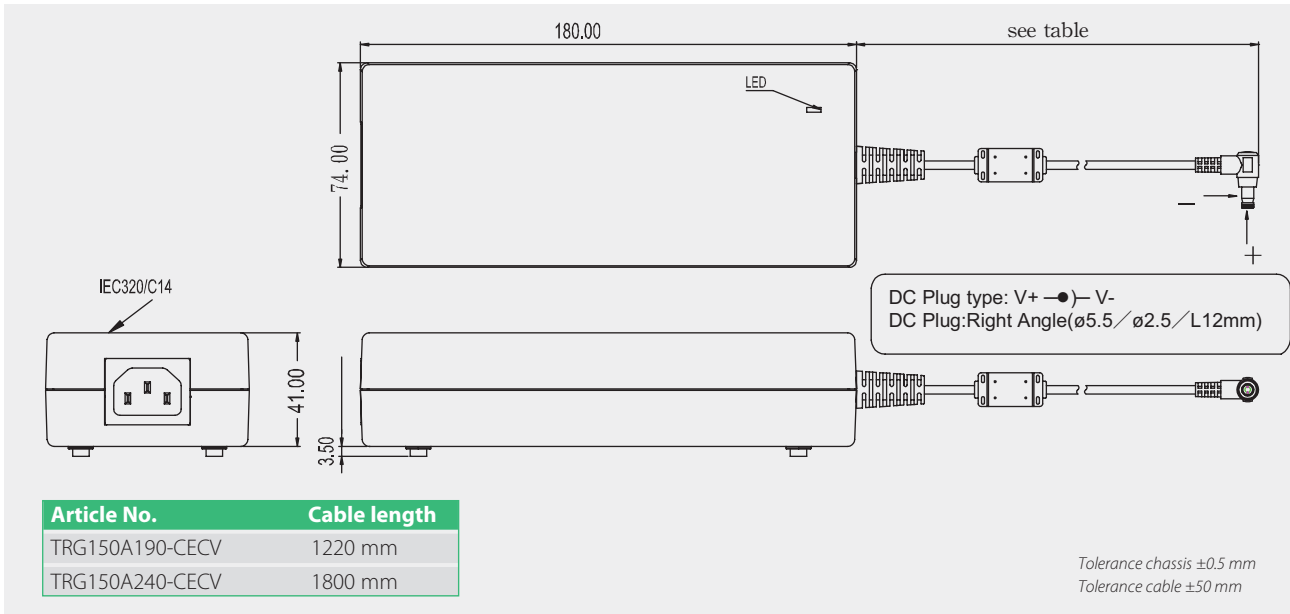
Article No.	Output voltage	Output current min	Output current rated load	Ripple & Noise	Efficiency
TRG150A120-CECV-B2	+12 V	0 A	12.5 A	<240 mV _{SS}	App. 89 %
TRG150A190-CECV	+19 V	0 A	7.9 A	<380 mV _{SS}	App. 89 %
TRG150A240-CECV	+24 V	0 A	6.25 A	<480 mV _{SS}	App. 90 %

Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 nF and 10 µF capacitors at the output. Output voltage was adjusted to ±2 % at 60 % load. The final assembly has to comply with the valid EMC and safety standards.

Drawing TRG150A120-CECV-B2



Drawing TRG150A190-CECV, TRG150A240-CECV



Article No.	Cable length
TRG150A190-CECV	1220 mm
TRG150A240-CECV	1800 mm

Optional accessory >>> For detailed information please visit our website www.bicker.de and refer to the article number.

Article No.	Description
KP-01	Cling pad for fast and easy attachment of desktop adapters
X1-132	Power cord with European IEC-60320-C13 connector