

BET-0900

90 Watt



Desktop adapter

- Desktop adapter for industrial applications
- Only with 105°C high quality capacitors
- Very high reliability (MTBF)
- Energy efficiency level VI
- High efficiency
- Low standby consumption <0.15 W
- Wide temperature range up to +60 °C
- International approvals

Technical data

Input voltage	90...264 V AC, active PFC
Input frequency	50...60 Hz
Inrush current	60 A max (230 V AC, 25 °C)
Efficiency	App. 90%
Idle consumption	<0.15 W
Hold-up time	App. 20 ms (115 VAC)
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: max. 150 % of nominal voltage Overload protection: max. 150 % of nominal current, switch off with auto recovery Overtemperature protection
Insulation voltage	Input / Output: 4242 VDC, Input / FG: 2718 VDC
Line regulation	±3 %
Load regulation	±≤4 %
Leakage current	<0.5 mA earth leakage current (264 VAC)
Safety / EMC	EN60950-1, UL 60950-1, CE, designed according to CCC
Temperature	Operating: 0...+60 °C (Start from -20 °C) / Storage: -20...+85 °C
Derating	In the range of +40...+60 °C, 2.5 % / °C
Max. operation altitude	5000 m
MTBF	>869000 h according to Telcordia SR-332 at +40 °C
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	64 x 151 x 36 mm ±0.5 mm
Weight (net)	0.5 kg

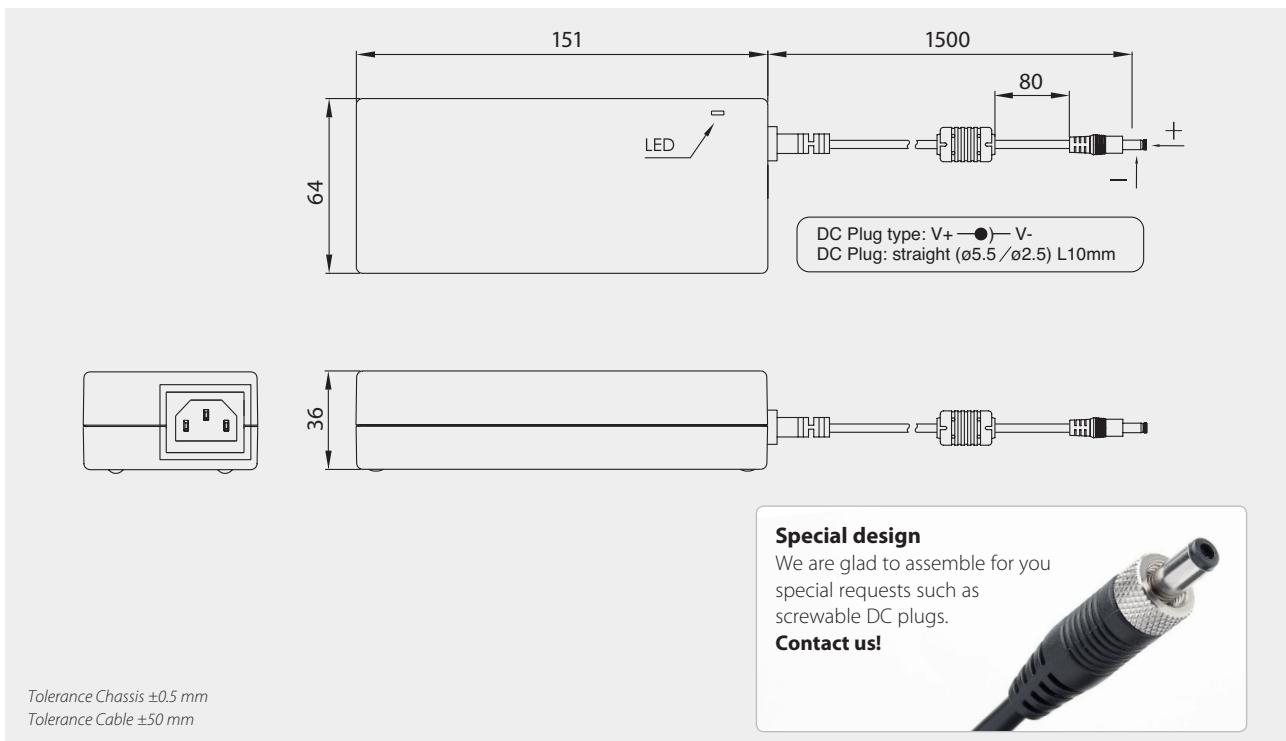
Product specific data

Energy efficiency level	Meets DoE / CEC / GEMS / NRCan level VI and ErP level V
Earth conductor	The earth conductor PE (primary) is connected to -V _{out} (secondary)

Article No.	Output voltage	Output current min	Rated load	Ripple & Noise	Efficiency (typ.)
BET-0912	+12 V	0 A	7.0 A	<120 mV _{ss}	App. 90 %
BET-0919	+19 V	0 A	4.7 A	<190 mV _{ss}	App. 90 %
BET-0924	+24 V	0 A	3.7 A	<240 mV _{ss}	App. 90 %

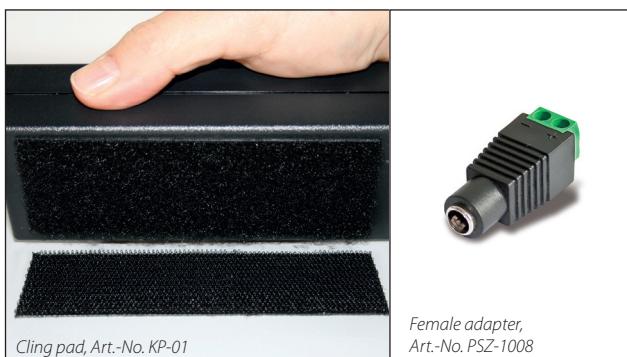
Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 0.1 µF and 10 µF capacitors at the output. Output voltage was adjusted to ±2 % at 60 % load. The final assembly has to comply with the valid EMC and safety standards.

Drawing BET-0900

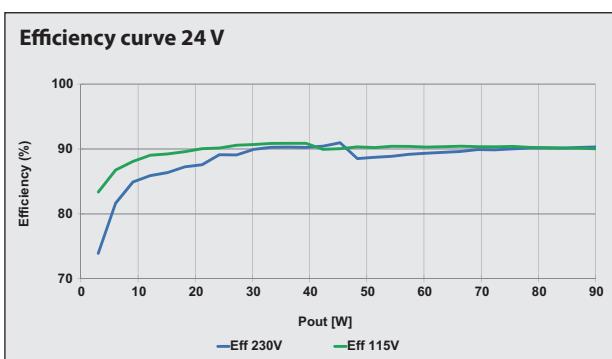
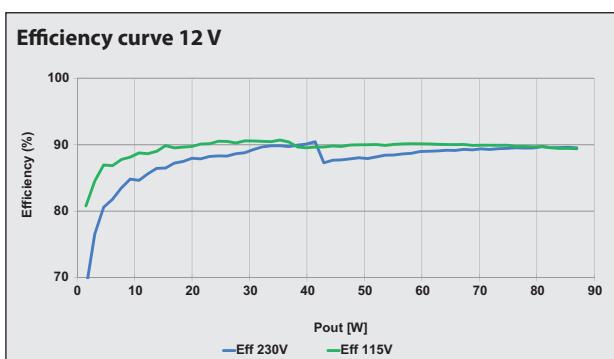
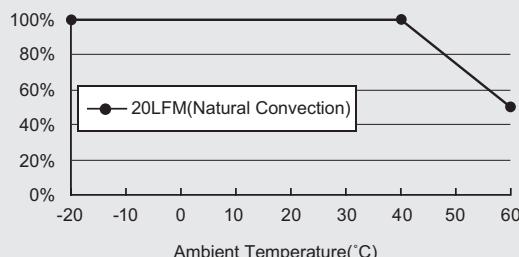


Special design

We are glad to assemble for you special requests such as screwable DC plugs.
Contact us!



Derating



Specification is subject to change without notice. Errors excepted. Status as at: 08.01.2016

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
PSZ-1008	Female adapter, DC jack on screw terminal
CB-TRG-EXT	DC extension cable