

BET-0900

90 Watt

- 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



Desktop adapter

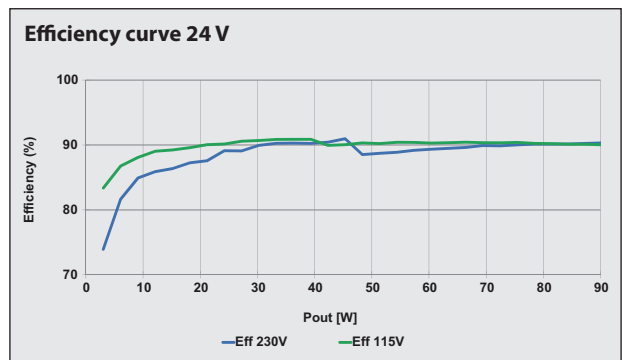
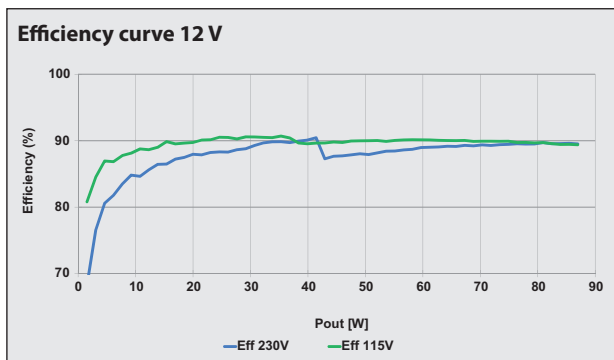
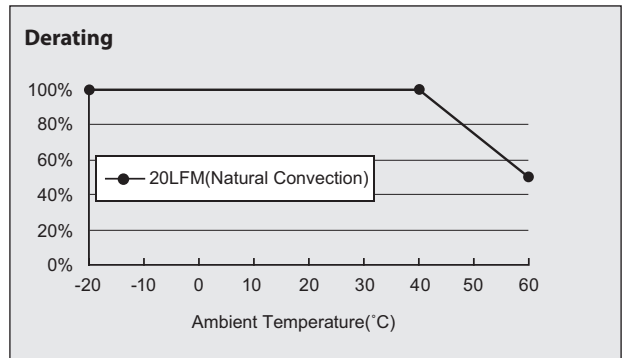
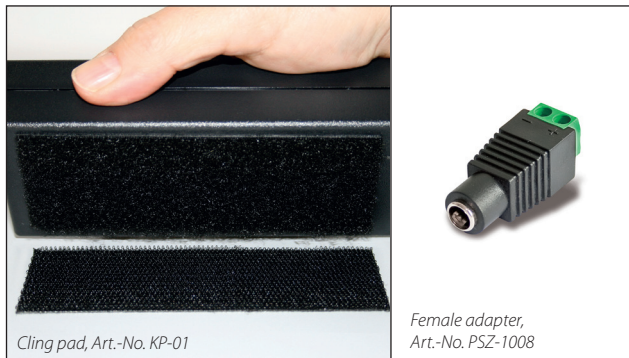
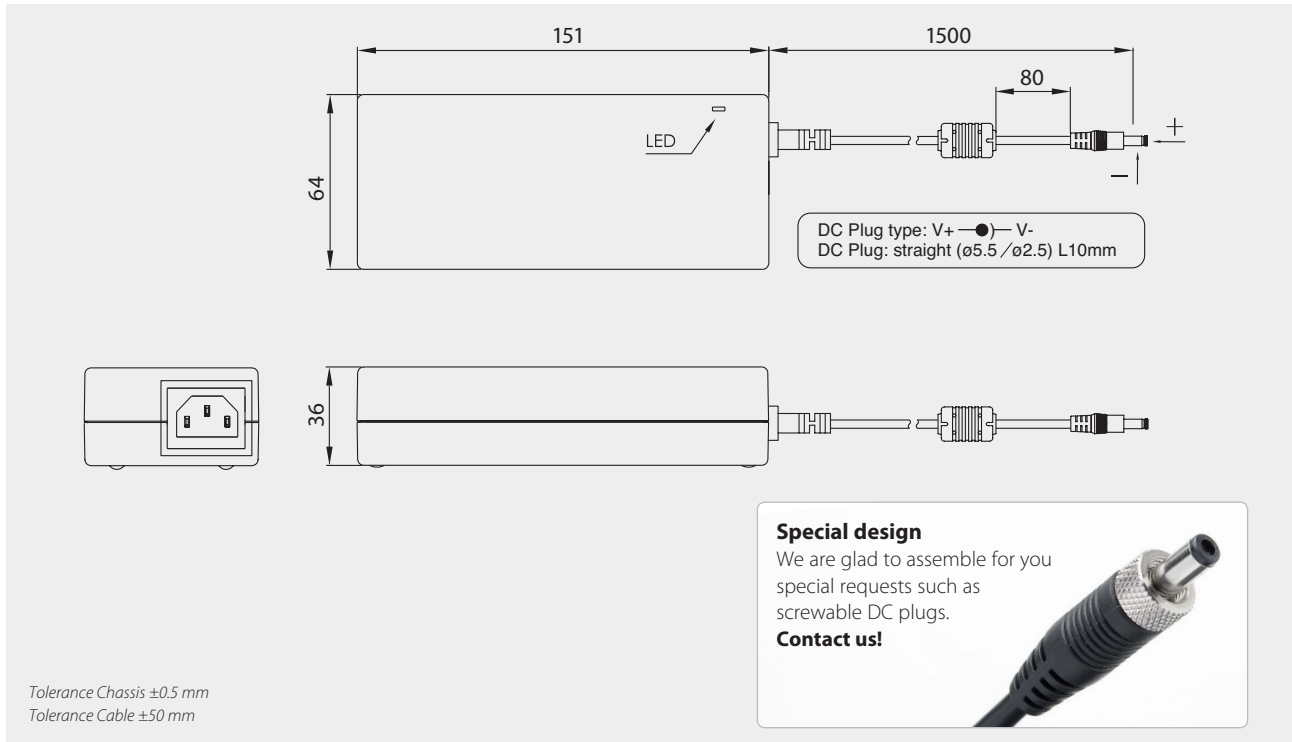
Technical data	
Input voltage	90...264 V AC, active PFC
Input frequency	50...60 Hz
Inrush current	60 A max (230 VAC, 25 °C)
Efficiency	App. 90%
Idle consumption	<0.15 W
Hold-up time	App. 20 ms (115 VAC)
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: max. 150 % 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		Ripple & Noise	Efficiency (typ.)
		min	Rated load		
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



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

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