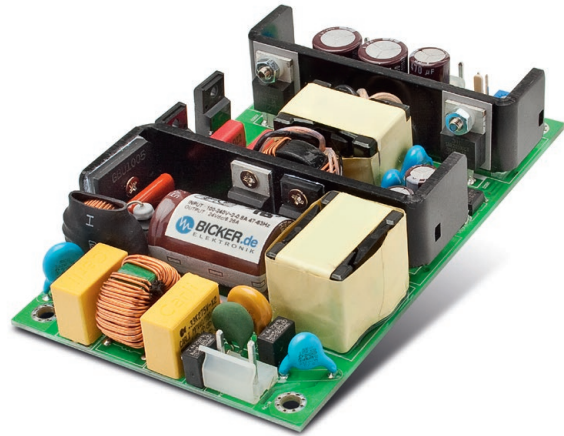


BEO-1500M

150 Watt

- ✓ Tested for industrial and medical applications
- ✓ 150 Watt continuous fanless power
- ✓ Extremely slim, installation height only 26.7 mm!

The power supply series BEO-1500M is characterized by its high efficiency of up to 93 % and a very low standby uptake rate of <0.5 watts. It delivers its full power of 150 watts up to an ambient temperature of +40 °C without active cooling. Thanks to the high quality of the installed parts and its excellent circuit design, high reliability and long economic life are guaranteed. For readjusting the output voltage, the power supply is additionally equipped with a remote sense function.



Technical data	
Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	2 A (115 VAC) / 0.8 A (240 VAC)
Inrush current	<110 A (240 VAC)
Efficiency	90...93 % depending on model
Standby consumption	<0.5 W at 0 A load
Hold up time	App. 16 ms (115 VAC)
Protection	Short circuit protection: Switch off with auto recovery Overload protection: App. 140 % typ., Switch off with auto recovery Overvoltage protection: Switch off
Insulation voltage	Input/Output 6644 V DC (2 x MOPP) Input/FG 2122 VDC (1 x MOPP), Output/FG 2122 V DC (1 x MOPP)
Insulation resistance	Input/Output and Input/FG 100 MΩ at 500 VDC test voltage
Line regulation	±0.5 % at nominal load and input voltage change from 90 to 264 V AC
Load regulation	±1 % (A1, load step from 100 % to 10 %)
Earth leakage current	<254 μA (264 VAC / 63 Hz)
Safety / EMC	CE, IEC60601-1:2005+A1:2012 (Edition 3.1), EN60601-1:2006+A1:2013 (Edition 3.1), ANSI/AAMI ES60601-1:2005 (3rd Edition)
Temperature	Operating: -20...+70 °C / Storage: -20...+85 °C
Derating	+40...+70 °C, 2 % / °C
Max. operation altitude	3000 m
MTBF	155 000 h according to MIL-HDBK-217F at +25 °C
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	76.2 x 127 x 26.7 mm ± 1 mm
Weight (net)	0.27 kg
Product specific data	
Adjustment range / VR	±5 %
Remote Sense	Adjustment range 0.5 V

Article No.	Output voltage	Output current		Ripple & Noise	Efficiency
		min	max load		
BEO-1512M	+12 V	0 A	12.5 A	<120 mV _{SS}	90 %
BEO-1524M	+24 V	0 A	6.2 A	<240 mV _{SS}	92 %
BEO-1536M	+36 V	0 A	4.1 A	<360 mV _{SS}	93 %
BEO-1548M	+48 V	0 A	3.1 A	<480 mV _{SS}	93 %

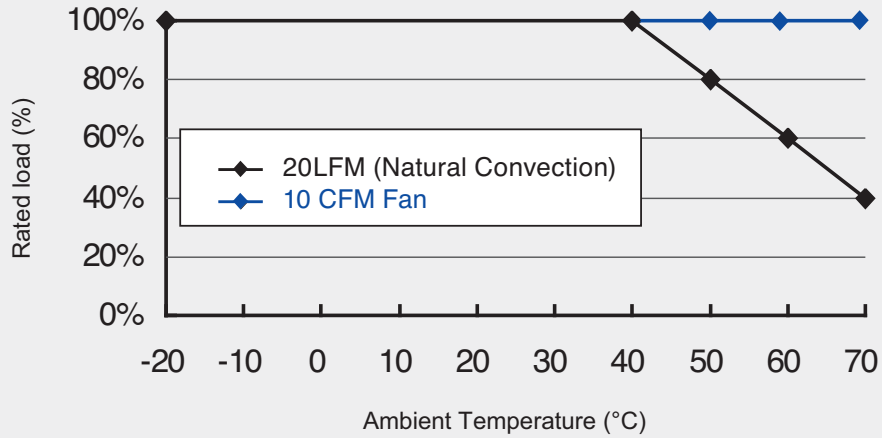
150 W continuous power without fan (-20...+40 °C). Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 nF and 10 µF capacitors at the output. As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Optional Accessories

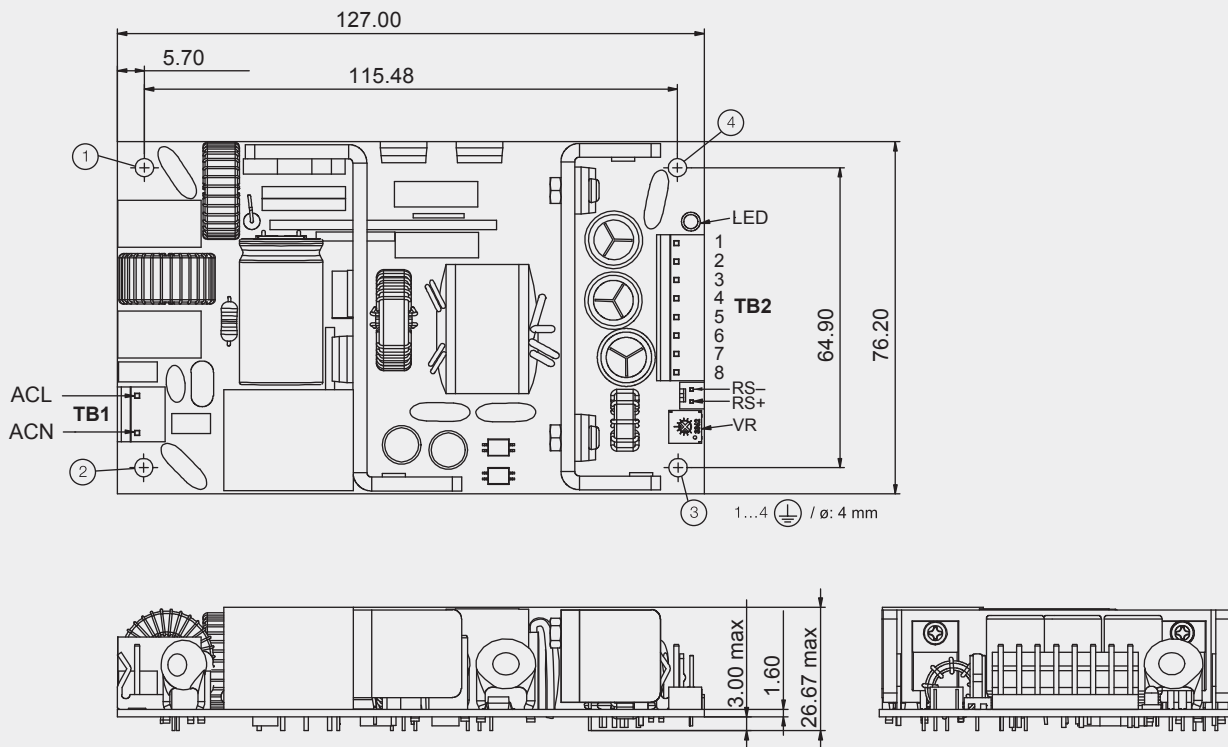
▷▷▷ For detailed information please visit our website www.bicker.de and refer to the article number.

<p>CB-BEO-1000M DC output cable</p> <p>8-pole, length 600 mm, AGW 18, ends open</p> 	<p>PSZ-1007 Cover</p> <p>Chassis for BEO-1000M and BEO-1500M</p> 	<p>PSZ-1019 EMC-Filter</p> <p>IEC connector filter incl. cable and ferrite</p> 
<p>X1-024 AC input cable</p> <p>2-pole, length 620 mm, AWG18, ends open</p> 	<p>X1-061 AC input cable</p> <p>3-pole, length 600 mm, AWG18, ends open, M3 ring terminal</p> 	<p>X1-061-B2 AC input cable</p> <p>3-pole, length 610 mm, AWG18, ends open, M4 ring terminal (For Chassis mounting)</p> 
<p>PSZ-1009 Male adapter</p> <p>DCplug: 2.5 x 5.5 mm, AWG 26-12</p> 		

Derating BEO-1500M



Drawing BEO-1500M



Connector:

TB1: AC input / Molex 0009501031 or identical
 TB2: DC output / Molex 0009501081 or identical
 PIN1,2,3,4: (-), PIN5,6,7,8: (+)

Tolerance ±1 mm

Specification is subject to change without notice. Errors excepted. Status as at: 14.10.2022