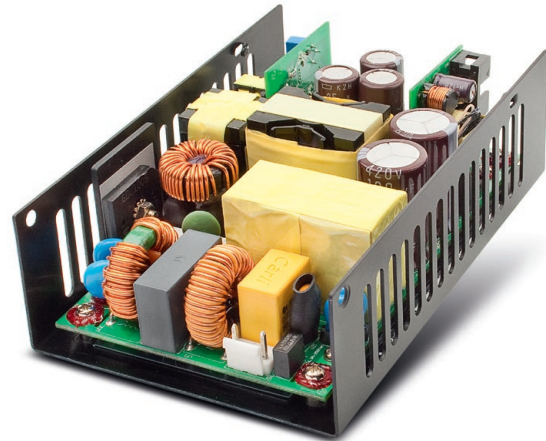


## BEO-3600

360 Watt

- High efficiency up to 93 %
- With remote sense function and remote control
- Extremely compact design

The power supply series BEO-3600 is characterized by small dimensions and high efficiency. It provides up to 360 Watt without the necessity for any active cooling. Additionally it is equipped with two auxiliary voltages (+5V<sub>sb</sub>, +12V<sub>fan</sub>), a remote On/Off function and remote-sense connections for output voltage adjustment. High quality of installed parts and a superior circuit design guarantee maximum reliability and long service life.



Industry

Technical data	
Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	5...2 A (100...240 V AC)
Inrush current	<50 A (240 V AC)
Efficiency	92...93 % (depending on model)
Standby consumption	App. 2 W
Hold up time	App. 16 ms (90 V AC)
Protection	Short circuit: Switch off auto recovery Overvoltage protection: Switch off Overtemperature protection: App. 95 °C typ., switch off with auto recovery Overload protection: App. 130 % typ., switch off with auto recovery
Insulation voltage	Input/output 4242 V DC
Line regulation	±0,5 % at nominal load and input voltage change from 90 to 264 V AC
Load regulation	±1 % (A1, load step ±40 % related to 60 % load)
Leakage current	<3.5 mA
Safety	CE
EMC	EN61000-3-2 Class D (at P <sub>in</sub> <70 W EN61000-3-2 Class A)
Temperature	Operating: -20...+70 °C / Storage: -40...+85 °C
Derating	See diagram
MTBF	>101 000 h according to MIL-HDBK-217F at +25 °C
Max. operating altitude	2000 m
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	87 x 137 x 43 mm ±1 mm
Weight (net)	0.55 kg

Product specific data	
Remote sense	Control range 0.5 V (CN5)
Adjustment range (VR)	±5 %
Remote Control	Power supply switch on via pulldown at Enable at CN8/Pin7



Cover included in delivery!

Article No.	Output	Output voltage	Output current		Ripple & Noise	Efficiency
			min	max		
BEO-3612	A1	+12 V	0 A	29.6 A	<120 mV <sub>SS</sub>	92 %
	A2	+5 V <sub>sb</sub>	0 A	0.5 A	<50 mV <sub>SS</sub>	
	A3	+12 V <sub>fan</sub>	0 A	0.3 A	<120 mV <sub>SS</sub>	
BEO-3624	A1	+24 V	0 A	14.8 A	<150 mV <sub>SS</sub>	93 %
	A2	+5 V <sub>sb</sub>	0 A	0.5 A	<50 mV <sub>SS</sub>	
	A3	+12 V <sub>fan</sub>	0 A	0.3 A	<120 mV <sub>SS</sub>	

Max. 360 W at 230 V AC and in fanless use up to +40 °C, with fan up to +60 °C. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 nF and 47 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](http://www.bicker.de) and refer to the article number.


**CB-105-3-600 | AC input cable**  
3-pole, length 600 mm, AWG18, ends open



**PSZ-1019-B1 | EMC-Filter**  
IEC connector filter incl. cable and ferrite

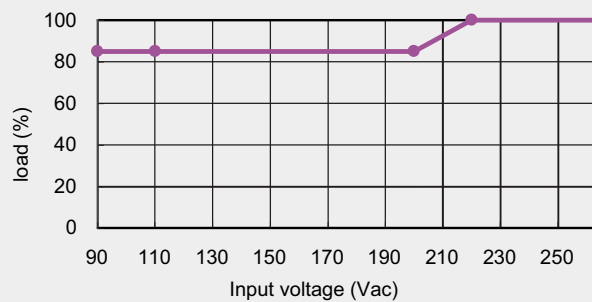


**X1-054 | AC input cable**  
2-pole, length 600 mm, AWG18, ends open

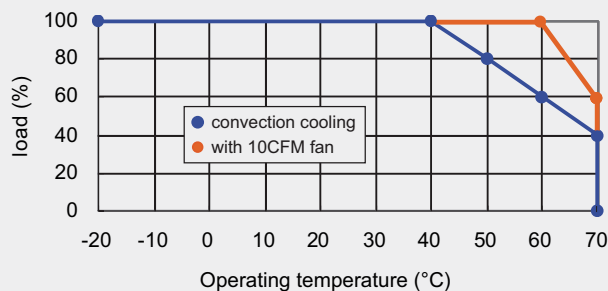


## Derating

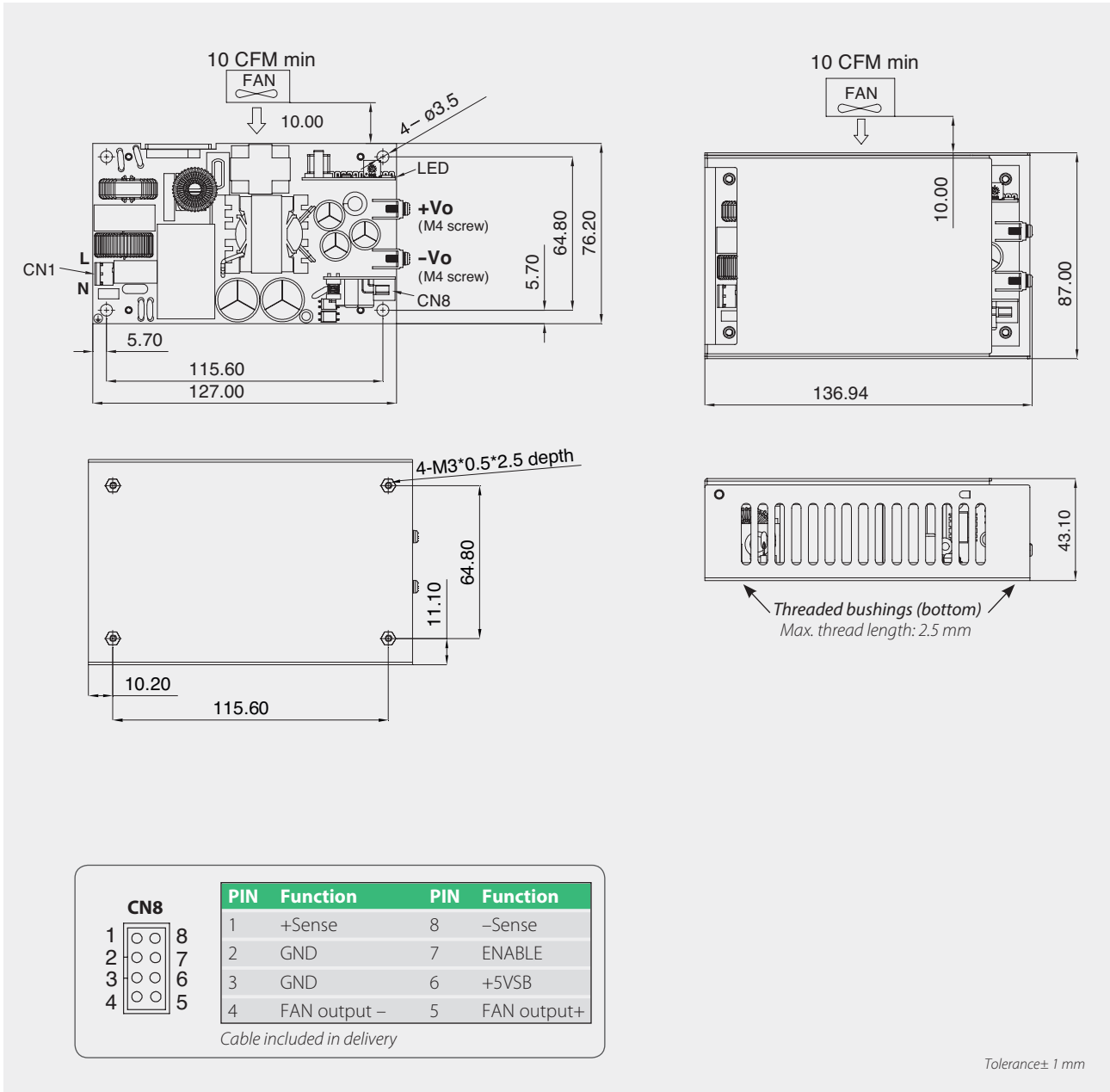
300 W with convection



300 W



## Drawing BEO-3600



Industry

Specification is subject to change without notice. Errors excepted. Status as at: 30.12.2020