

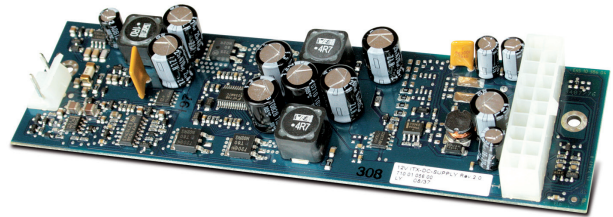
## DC100W

100 Watt



- High efficiency up to 90 %
- 100 Watt continuous fanless power!
- Small design

The flat and compact ATX DC/DC converter is designed for installation into fanlessly operating computers. It is distinguished by a very high efficiency. Due to its robust construction and the usage of high-grade components it is ideal for industrial and medical applications. A corresponding cable harness is optionally available. For mains voltage connection the BEO-1012M (medical) is recommended as internal power supply or as external power supply the BET-1212M (medical).



Technical data	
Input voltage	12 VDC (11.4...12.6 VDC)
Input current	9.3 A max. (12 VDC)
Efficiency	90 % at nominal load
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	Input: Inverse-polarity protection, fuse Overvoltage protection: 16 V-7 %, switch off Short circuit protection: At each output, switch off Output: Overvoltage protection: +3.3 V, +5 V, 12 V (via controller) Thermal overload protection for +3.3 V, +5 V, +12 V, +5 V <sub>sb</sub>
Insulation voltage	Non-isolated input / output
Switch on delay	1.5 Sec.
Operating temperature	-20...+50 °C
Storage temperature	-20...+70 °C
Operating humidity	10...90 % RH, non-condensing
Dimensions	160.5 x 45.1 x 18 mm ±0.5 mm
Weight (net)	0.08 kg

Article No.	Output voltage	Output current			Load regulation	Ripple & Noise
		min	max	peak		
DC100W	+3.3 V	0 A	5 A	8 A / 10 ms	±5 %	50 mV
	+5 V	0 A	8.5 A	10 A / 10 ms	±5 %	60 mV
	+12 V	0.1 A	2.6 A	8 A / 2 sec	±5 %	120 mV
	-12 V	0 A	0.2 A		±10 %	120 mV
	+5 V <sub>sb</sub>	0 A	1.5 A	2 A / 10 ms	±5 %	100 mV

Max. power is 100 W, at +3.3 V, +5 V, and +12 V it is 90 W. Without galvanic isolation!

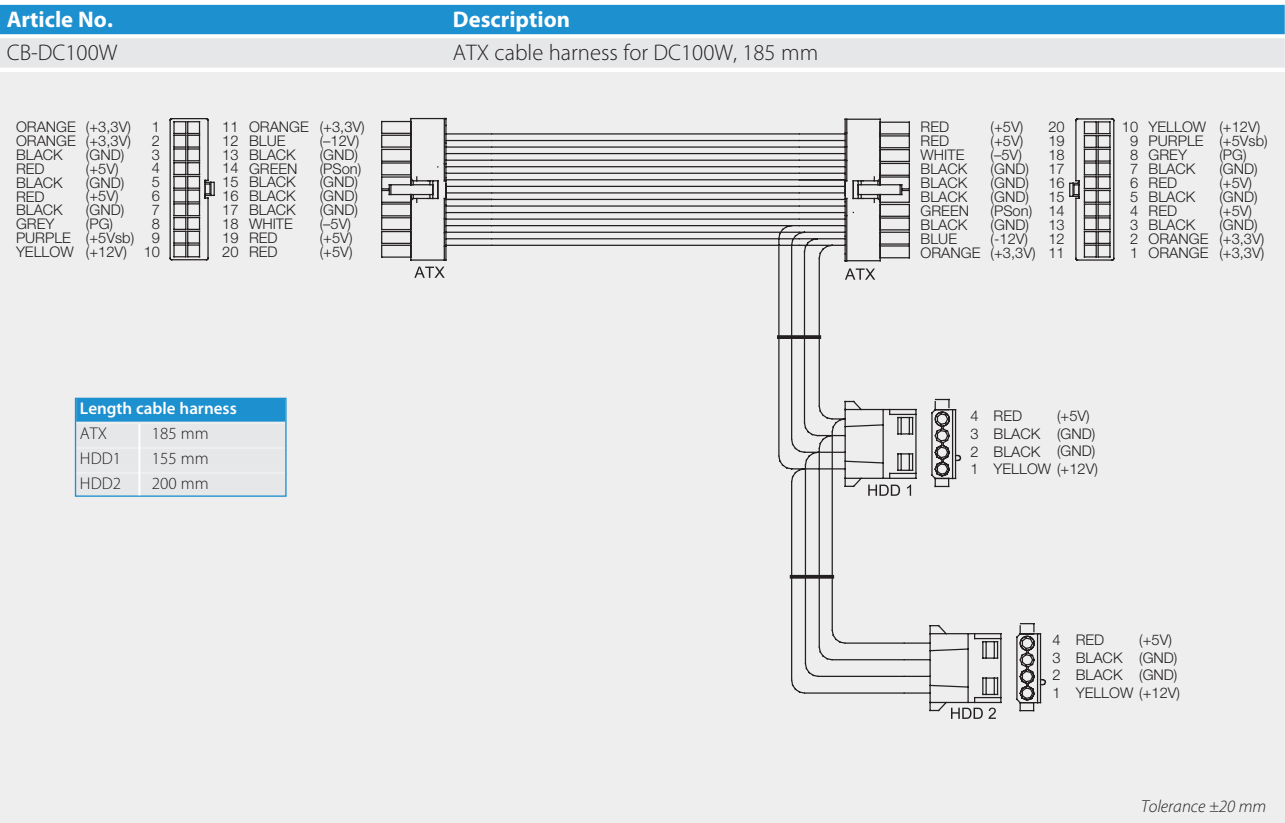
This unit is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

## Drawing DC100W



**Advice!** In case of a temperature connection of the PCB to the chassis bottom via Gap Pad® the PCB temperature decreases depending on the ambient temperature by approx. 10...20 °C.

**Optional accessory** ▷▷▷ For detailed information please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article number.



Specification is subject to change without notice. Errors excepted. Status as at: 14.12.2011