

■ Industrial PC PSUs



Our focus:
the Power Supply counts!

Industrial PC PSUs

- Power supplies
- Medical applications
- DC/DC converters
- UPS systems

5 years!
delivery guarantee

The PSU is the heart of a computer, the CPU is just the brain!

There are 9 good reasons why a industrial PC power supply of the BEA series will convince you as well!

Reliability

All units are designed for continuous operation – **24 h / 365 days** – at full power and maximum ambient temperature.

5 years delivery guarantee

The ultimate advantage for planning and spare part supply: **5 years delivery guarantee!**

Full power up to +50 °C

Up to an ambient operating temperature of +50 °C the PSU supplies full power. With derating ambient operating temperatures of up to +70 °C are possible. And at that: daily 24 h, 365 days per year!

High MTBF

The high MTBF of **100000 h at +50 °C** is a clear advantage! (according to MIL-HDBK-217F)

Overvoltage protection

The BEA series is equipped with an additional overvoltage protection against dangerous voltage peaks. Not even a 4 kV surge impulse can do harm to a unit of the BEA series.



Brand capacitors

Electrolytic capacitors (Elko) are subject to thermal stress in switching power supplies. The BEA series is exclusively equipped with **Japanese capacitors of the +105 °C quality category** of the suppliers Rubycon or Nippon-Chemicon. These are distinguished by a considerably longer service life as compared to low cost capacitors.

Cooling

An important factor is cooling! For the BEA series only ball-bearing fans of the NMB-Minebea brand are equipped! **A long service life is their advantage!**

Tacho fan

To be on the safe side any time the units of the BEA series are equipped with a tacho fan. Thus, a continuous functional control of this important component is ensured.

Customer specifications

No question: **special designs are available!** E. g. changes of the cable harness or models with protective coating against condensation water and dust. Please contact us. We are looking forward to provide advice!

What distinguishes a PC power supply for industrial applications from a home and office PC power supply?

A PC power supply for industrial applications generally operates under more difficult conditions with regard to ambient temperatures, electrical interference resistance, and pollution levels as compared to a PC power supply for home and office applications. Therefore, a sophisticated circuit design is equally important as the exclusive use of nothing but high-grade components. PC power supplies for industrial applications are designed for 24/365 operation, which home and office PC power supplies are usually not.

Possible applications for the powerful industrial PC power supply series:



Industrial automation



Transportation



Maritime applications



Medical applications



Communications & information systems

PC power supplies for industrial applications of Bicker Elektronik are distinguished by their extraordinary high quality and a long service life!

A reliable industrial PC is distinguished by its components such as mainboard, CPU, hard disc, and the PC power supply. It is common knowledge that a chain will break at its weakest link. Therefore, all components of a PC for industrial applications should be carefully chosen according to the same quality criteria. This is the only way to ensure a high degree of availability and durability of the complete system.

5 years!
delivery guarantee

Models for other power classes?

No problem with us!



BEA-630
300 Watt



BEA-635
350 Watt



BEA-640
400 Watt

Are you interested in a sample unit?

Do not hesitate to contact us:

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