

Twister® S1

From 0 to safe in just one second.

Failures to the general power supply, whether as the result of fire or another cause, are a potential risk in buildings. Even a short blackout can have serious effects on peoples' health and may even be life-threatening. Economic damage may also occur.

The Twister – a true alternative to the diesel generator set

The Twister®S1 is a universal and central energy source for safety purposes. It remains dormant as long your energy provider's grid is supplying power. However, if the power cuts out just once, the Twister®S1 springs into action within one second to guarantee that the energy supply continues throughout the power outage. As a rule, this can be for up to three hours.

Based on a battery-fed motor-generator converter, it reliably takes over the emergency power supply in modern buildings such as office blocks, theatres, department stores, hotels, swimming pools, industrial production halls and even complete residential complexes – fully automatic, quiet, cost-efficient and 100% fume-free. More than just an alternative to the diesel generator set.

Vertical version of the converter in a control cabinet or with standing frame construction for wall and floor-mounting up to 125 kVA



Horizontal version of the converter for floor-mounting up to 300 kVA

Supply to all consumers

There are virtually no limits to the ways in which the Twister®S1 can be used. It works for all consumers inside buildings that need to be safe – in other words, for all buildings that people have to be safely evacuated from in the event of a general power supply failure.

Even though the focus of every safety precaution is to protect human life and health, it is also important to safeguard material assets such as real estate. Adjacent buildings and, ultimately, other human lives could also be put at risk by a fire breaking out.

Typical consumers:

- Lifts
- Smoke and heat ventilation systems
- Fire dampers and fire doors
- Fire alarm systems
- Ventilation systems
- Emergency lighting
- Sprinkler pumps
- Systems for extinguishing-water (pressure-boost systems)
- Railway signal boxes
- Production plants



Your advantages in detail

- Ready to use in under a second
- Increased performance possible over 300 kVA thanks to intelligent consumer connection
- Very robust in the event of an overload
- Maximum functional reliability, even at sub-zero temperatures
- Low noise and vibration levels
- More safe, modern and efficient than a diesel generator set
- Intelligent control of the Twister S1 enables an interruption-free shift-in once power is restored
- Free from undesirable pollution: 100% fume-free thanks to the electric drive
 - Clear savings on operating and maintenance costs
- Structural advantages when compared with diesel generator sets, since neither space for the diesel nor exhaust systems are necessary

More detailed information can be found under:

ABB Kaufel GmbH

Colditzstr. 34-36

D-12099 Berlin

Telefon: +49 30 701733 - 300

Telefax: +49 30 701733 - 399

www.kaufel.de

Note:

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Kaufel GmbH does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Kaufel GmbH.

Copyright© 2015 ABB

All rights reserved