User’s guide

Battery Backup

with lead-acid battery 12V/0,8 Ah
for
I-TEL 2 plus
and
I-TEL 3 (L)

Description

The battery backup provides the feeding voltage for the automatic dialing devices of the I-Tel family. It can also be used to supply other devices with a buffered 12V DC voltage.

If mains voltage is available, the power transformer with rectifier and stabilizer provides the necessary energy. Simultaneously the accumulator is charged.

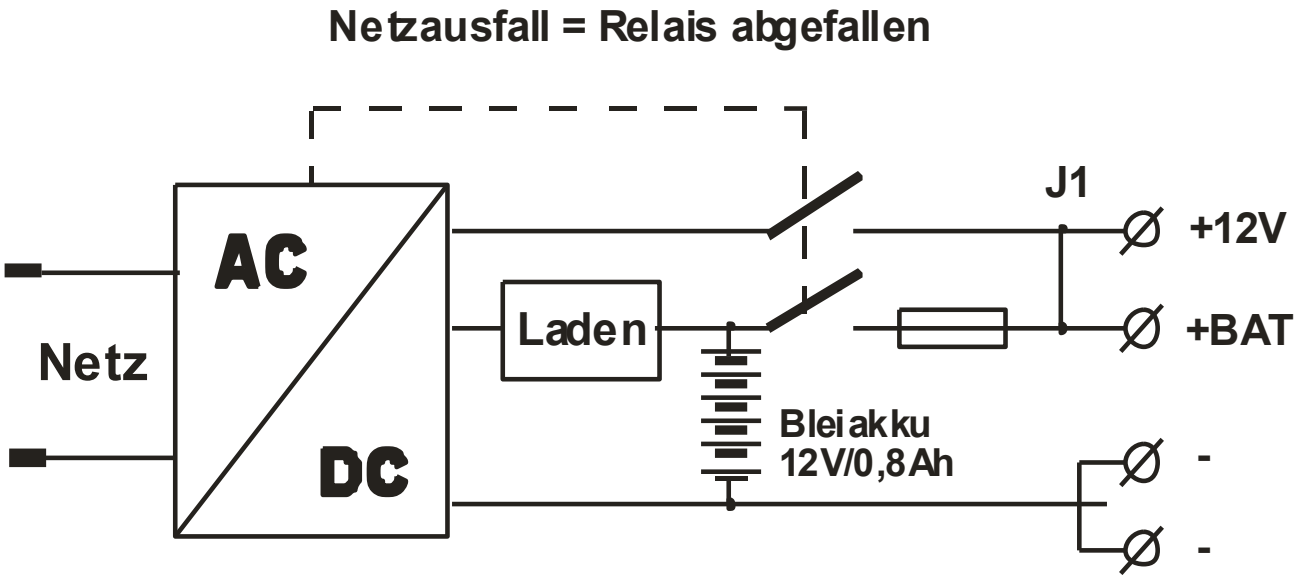
During a mains power failure, the I-Tel is energized by the inbuilt accumulator.

The battery backup is able to bridge the power requirement of an I-Tel for at least 10 hours (assumed the accumulator is fully charged)

About 12 hours are necessary for a complete charging of the accumulator.

We suggest leaving the battery backup connected to the mains supply before placing it into operation.

Circuit (simplified)



Connecting to I-TEL 2 plus

The terminals +Bat and – of the battery backup device should be connected to the terminals + and – of the I-TEL 2 using a suitable cable.

The bridge circuit J1 must not be divided.

Connecting to I-TEL 3

All terminals of the battery backup device should be connected to the correspondingly marked terminals on the I-Tel 3 using a suitable cable.

The bridge circuit J1 has to be divided, to enable the I-Tel 3 device to identify a mains power failure by the absence of the +12 V.

Technical specifications

mains voltage	230V±10%, max. 50 mA
Output voltage	approx.12V (DC, controlled)
Output current	max.250 mA (accumulator fully charged)

During mains power failure the accumulator (swiched by a relay) will continue supplying the connected device with electricity.

Operation	0 – 40 °C, indoor, no condensing humidity
Accumulator	12V lead, maintenance-free
Capacity	0,8 Ah
Fuses	400 mA T (power transformer) 250 mA T (output accu.)

Important:
The output is not short-circuit-proof!