



The battery buffered DC power supply of the series **AKKUTEK** is working according to the stand-by parallel mode and ensures in connection with a lead-acid accumulator a safe continuous DC power supply in case of mains failure.

The back-up time is depending from the state of charge of the accumulator and of the discharge current.

The power supply has the following features:

- Battery charger with I/U-charging characteristics
- Battery management by micro-controller
- Battery voltage tracking of the charging voltage by external sensor module (optional)

Nominal input voltage	115 - 230 V AC -15% +10%
Nominal frequency	47 – 63, Hz
Final charging voltage without temp.-sensor	52,8 V DC $\pm$ 0,4% (without battery)
Output voltage range (with temperature tracking)	39,6 V DC ... 55,6 V DC
Output voltage range (without temperature tracking)	39,6 V DC ... 53,6 V DC
output rated current	23,5 V DC $\pm$ 2 %
Output voltage	1,1 A DC current limit at 1,1 x I nominal
Protective system	IP 20
Norms and Regulations	EN 50178 / EN 60950
Operating temperature	0 ... 40 °C
short-circuit protection	Electronic, Short-circuit proof output
Battery	External
Batterietype	Pb-Akku, maintenance-free (Option with changed characteristic)
Battery backup	external
Backup time	Depending on the battery and load
charging characteristic	I/U DIN 41773 part 1 Opt temperature tracking
Charge current for 100% load	0.1 A
Charge current for 0% load	1,1 A
deep charge protection of the battery	by load control at a battery voltage $\leq$ 39,6 V
LED-display	Power OK green power present Battery OK green disappears when - Battery circuit interruption (Battery backup def.) - The voltage in UPS operation <21.6 V (Batt.low) - The battery temperature is above 45 ° C. - LED flashes when - Low Battery
Relais outputs	Mains/UPS-works 0,5 A /48 V DC Accumulative error 0,5 A /48 V DC

# AKKUTEC 4801-DIN

AC/DC DC UPS 48VDC 1A Din Rail Mount



Shut down	Demolition UPS operation potential free contact input Switching level: 24 V DC (6-48 V DC)
battery management	Battery management on internal microcontroller
Battery monitoring	Monitoring battery circuit / battery backup, all 60sec
Real battery life measurement	Battery load test during network operation. (Load on the battery with concurrent Voltage measurement) every 24 hours.
EMC regulations	EN 55011/03/91 EN 50082-1/1.92 EN 61000-4-2,3,4,5,6,11 EN 50178 EN 60950
Access	Spring type
Dimensions (H x W x D)	60 x 92,5 x 116 mm
<b>Optionen</b>	
Shut down Software	TEC Control
Temperature tracking	Through the temperature sensor on the terminal block IO-1 and 2, the charging voltage automatically according to the ambient conditions adapted. (48.4 to 54.6 V) Over temperature on the Batteries (over 45 ° C) are displayed and notified. Temperatures above 20 ° C on the batteries cause a drastic reduction of the life of the Batteries.