

Uninterruptible Current Supply

USV 011



The USV 011 uninterruptible current supply is used to buffer the +24 V supply voltage of an industrial PC (C-IPC, S-IPC).

Normally, the +24 V supply is switched to the +24 V output and loads the internal battery. In the event of a power failure, the internal battery assumes the current from the +24 V output.

A settable USV-time enables a flexible buffer time that is used as a controlled shutdown of the IPC.

Performance Data

Internal power storage (battery)	2x +12 V/1.2 Ah maintenance-free lead gel battery
USV-time	configurable through software and DIP switches 4 to 692 seconds
Charging circuit	constant current/voltage current: 270 to 350 mA voltage: temperature controlled
Interfaces	1x RS232 (2x connections) 2x +24 V (input & output)
Status LEDs	3x battery status 3x USV status

Electrical Requirements

Supply voltage (+24 V input)	typically +24 V DC +18 ... +30 V DC
Current consumption (+24 V input)	corresponds to the load on the +24 V output internal current consumption: maximal 500 mA
Supply voltage (+24 V output)	typically +24 V DC +18 ... +30 V DC
Current load (+24 V output)	maximum 3.0 A

Article Number and Miscellaneous

Article number	with SIGMATEK foil: 01-470-011 without foil 01-470-011-0
Hardware version	1.x
Weight	typically 2.2 kg (with 2 batteries)

Environmental Conditions

Storage temperature	-20 ... +60 °C
Operating temperature	0 ... +40 °C At low temperatures, the available capacity of the battery sinks and the charging process takes significantly longer. At high temperatures, the self-discharge increases and the battery can be damaged through fluid loss. self discharge at 50 °C: 0.5 % (capacity per day) self discharge at 60 °C: 1.0 % (capacity per day)
Humidity	0-95 %, non-condensing
EMC stability	in accordance with EN 61000-6-2 (industrial area)
Shock resistance	EN 60068-2-27 150 m/s ²
Protection type	EN 60529 IP20