

# UPSI-2401

## 24 VDC / 5 A

- Continuous battery monitoring
- Timer function
- PC interface

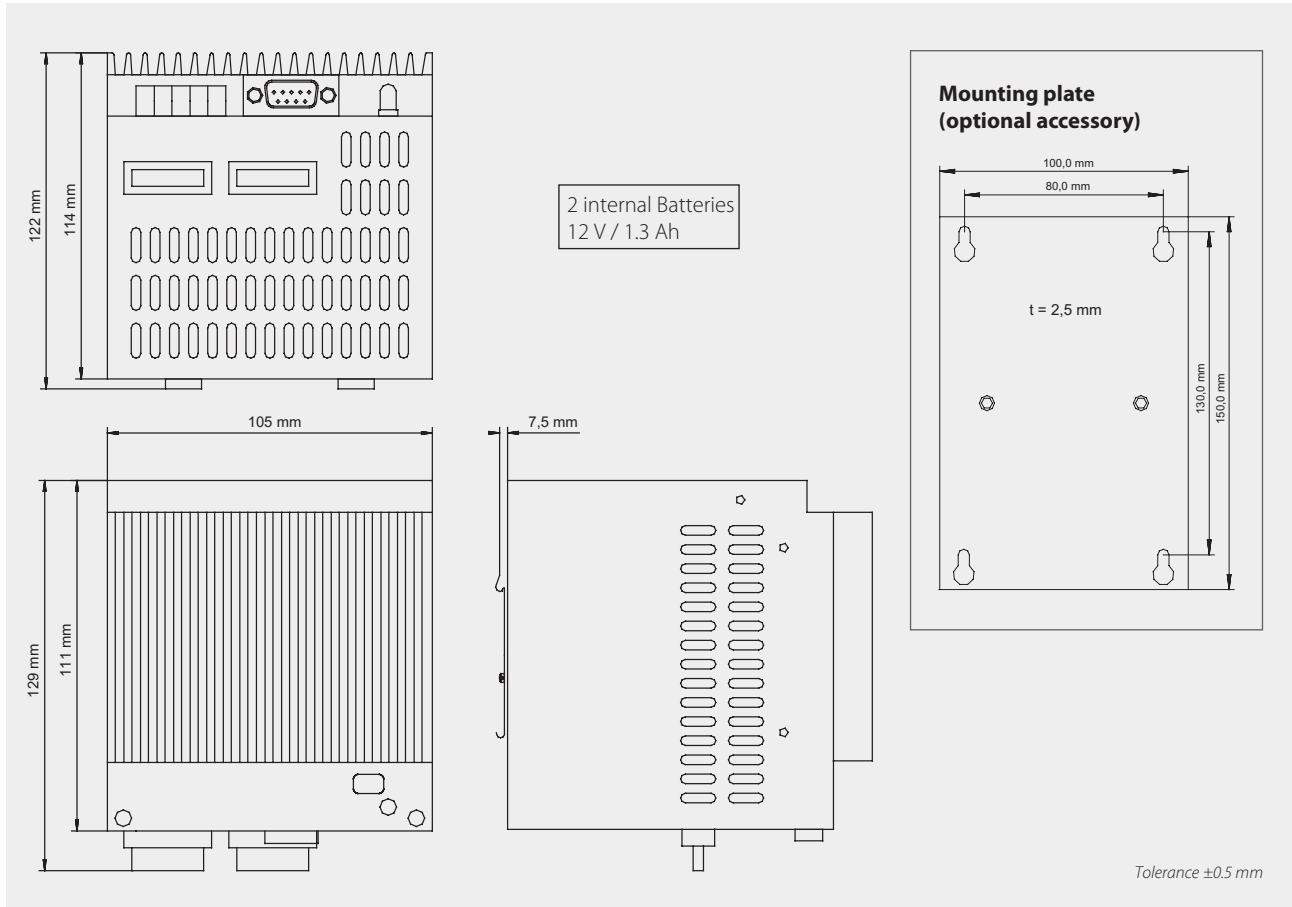
The newly designed DC UPS UPSI-2401 protects connected consumer loads from supply voltage fluctuations and interruptions. The  $\mu$ C controlled DC UPS provides various protections. Among the most important is the continuous battery monitoring feature. This ensures that sufficient capacitance remains in the battery to guarantee the supply of consumer loads in case of power failure. New features of the UPSI-2401 are a load sensor and a timer function. The timer function was integrated and allows a timer-controlled switch-off of the UPS.



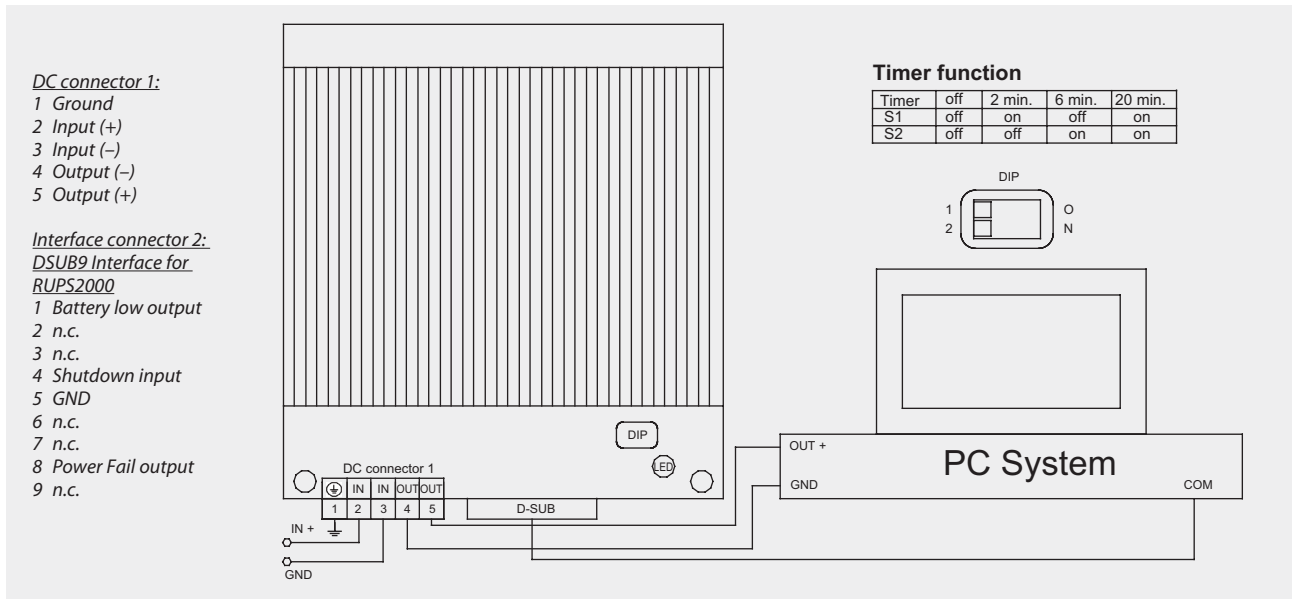
Technical data	
Input voltage	24 VDC (22.5...30 V)
Input current	5.5 A max.
Output voltage	In normal mode: app. 0.5 V below input voltage In battery mode: app. 27...19 VDC
Output current	5 A max.
Battery charge current	0.4 A max. (internal battery charger)
Charging method	UI characteristic, with temperature regulation
Protection	Deep discharge protection: 19 VDC $\pm$ 2 % Overload protection at output: 10 A for 2 seconds, switch off Short-circuit protection: Switch off
Transfer time / limits	Mains / battery 20 VDC $\pm$ 2 %, Battery / mains 22 VDC $\pm$ 2 %
Interface	DSUB9 connector, female Outputs: Power Fail, Battery Low      Input: Shutdown  Optionally also available with UPS software for connection to common operating systems
Type of battery	Equipped lead-gel-battery, maintenance-free, 1.3 Ah
Safety / EMC	CE
Operating temperature	0...+40 °C
Storage temperature	-10...+40 °C
Storage humidity	0...95 % RH, non-condensing
Dimensions (WxDxH)	105 x 129 x 122 $\pm$ 0.5 mm
Weight (net)	2 kg

Product specific data	
LED display	3-colour-LED for „Power ok“ (green), „Power Fail“ (orange), „Battery low“ (red/orange flashing) and „Battery defect“ (red/green flashing), short circuit at output/overload (red)
Battery monitoring	Battery test is carried out in normal mode approx every 10 minutes, in case of „Battery defect“ notification the LED flashes red/green (optional signaling contact)
Power consumption	App. 50 mA
Shutdown suppression	During system start-up the shutdown signal is suppressed for app. 2 minutes.
Reboot function	If power fails and then returns during the shutdown mode of Windows®, the operating system will ‚lock‘ with the message „Your PC is now safe“. The reboot function restarts the system after about 10 seconds.
Load sensor	Switch-off in UPS mode <10 Watt
Timer function	2 min – 6 min – 20 min – off, adjustable via DIP switch
Back up time	App. 30 min at 1 A / app. 8 min at 3 A / app. 3 min at 5 A (measured at +20 °C)

Drawing UPSI-2401



Connection



**Optional accessory** >>> For detailed information please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article number.

Article No.	Description
RUPS2000-B1	UPS Management Software (CD-ROM)
F1-0162	Mounting plate for UPSI-2401
CB-RS-020	Interface cable, 2m

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