

UPSI-B-2410

24 VDC / 10 A

- **Battery monitoring**
- **Online technology**
- **Battery pack BP-2425C also for -30...+70 °C!**

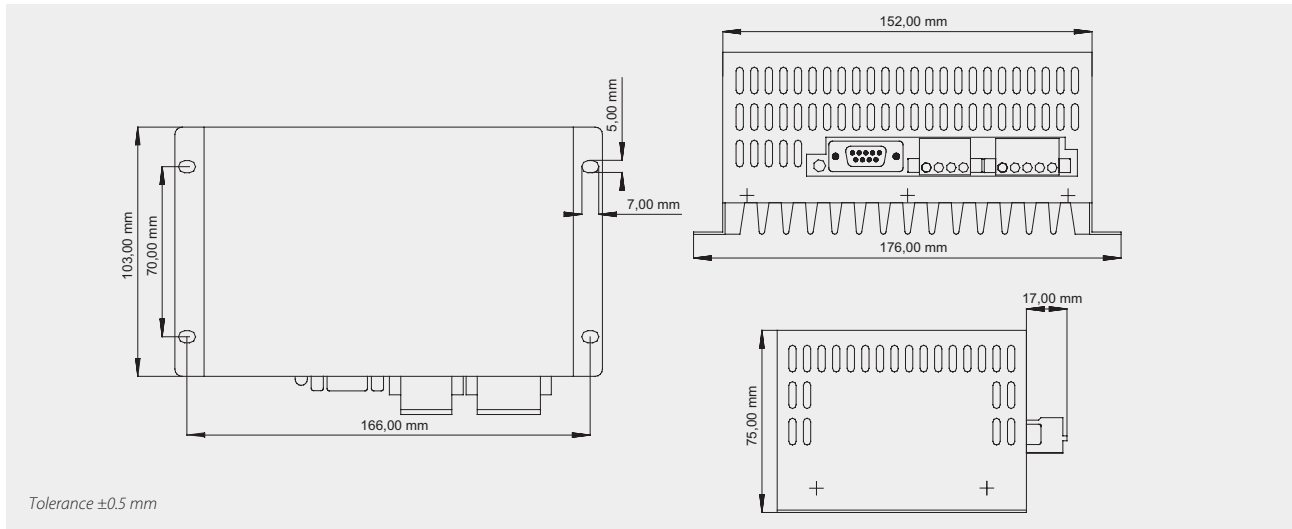
The UPSI-B-2410 buffers DC supplied systems in ambient temperatures where other UPS fail. Adequate batteries are included. Online technology guarantees interrupt-free power. Micro-processor controlled charging and an active battery check provides a long battery life. Typical application areas are automation and automotive.



Technical data	
Input voltage	24 VDC (22...36 V)
Input current	12.5 A max.
Output voltage	Normal mode: app. 0.4 V below input voltage Battery mode: app. 30.9...19 VDC
Output current	10 A max.
Battery charge current	2 A max. (internal battery charger)
Charging voltage	26,4...31,2 V, temperature-controlled
Discharge protection of battery	19 VDC ±2 %
Battery low	<21 V ±2 % (Battery mode)
Transfer time / transfer limits	0 ms, online technology, Main / BAT 20 V / , BAT / Main 22 V
Back up time	See datasheet of battery pack BP-2425C
Interface	DSUB9 female, open collector, potential-free for Outputs: power fail, battery low Input: Shutdown Optionally also with UPS software for connecting all established operating systems
Type of battery	Maintenance-free pure lead-tin battery (PLT)
Safety / EMC	CE
Operating temperature	-30...+70 °C
Storage temperature	-40...+80 °C
Operating humidity	0...95 % RH, non-condensing
Dimensions (WxDxH)	152 x 103 x 75 mm ±0.5 mm
Weight (net)	0.75 kg

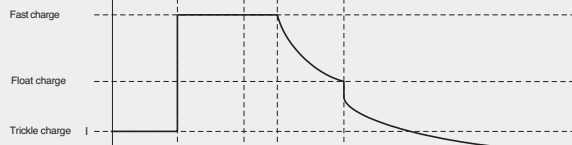
Product specific data	
LED display	3 colour LED for "Power ok" (green), "Power Fail" (orange), "Battery low" (red/orange flashing) and "Battery defect" (red/green flashing)
Battery monitoring	Battery test is carried out every 10 minutes in normal mode
Power consumption	App. 150 mA
Operating height	Max. 12 000 feet above sea level
Shutdown-Suppression	The Shutdown signal is disabled for about two minutes after startup.
Reboot function	If DC IN fails and main power returns during 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 5 seconds.

Drawing UPSI-B-2410

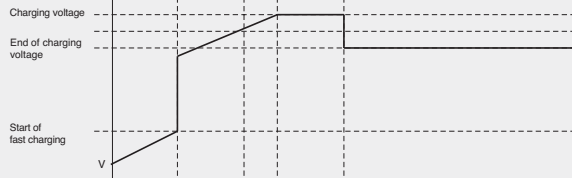


Exact charging via microcontroller

Charging current



Charging voltage



Connection

Interface connector 2: DSUB9 interface for RUPS2000

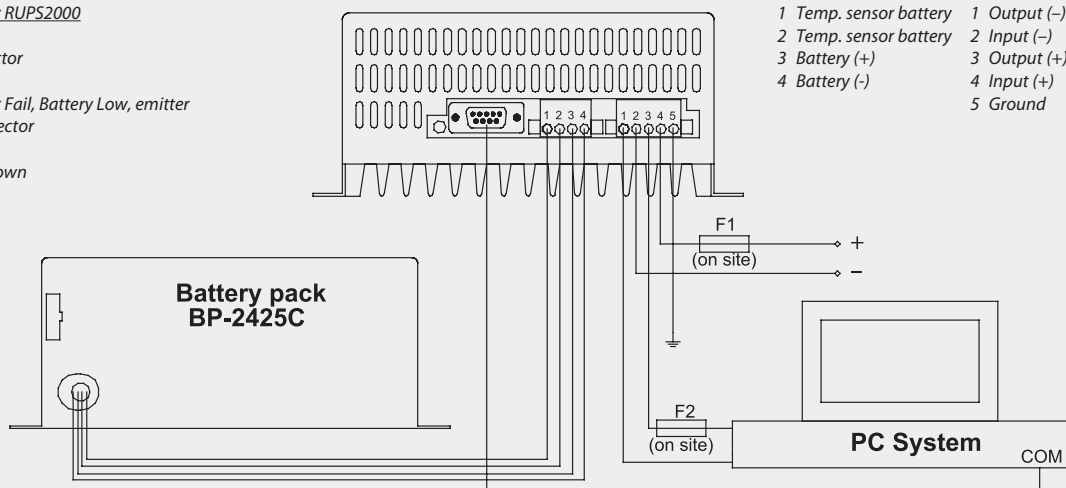
- 1 n.c.
- 2 Power Fail, collector
- 3 n.c.
- 4 Reference, Power Fail, Battery Low, emitter
- 5 Battery Low, collector
- 6 Shutdown input
- 7 Reference Shutdown
- 8 n.c.
- 9 n.c.

DC connector 1

- 1 Temp. sensor battery
- 2 Temp. sensor battery
- 3 Battery (+)
- 4 Battery (-)

DC connector 2

- 1 Output (-)
- 2 Input (-)
- 3 Output (+)
- 4 Input (+)
- 5 Ground



Note: Installing a fuse on site at both the input (F1) and output (F2) is recommended.

Optional accessory >>> For detailed information please visit our website www.bicker.de and refer to the article number.

Article No.	Description
BP-2425C	Battery pack, 24 VDC / 2.5 Ah / -30...+70 °C
BP-2425	Battery pack, 24 VDC / 2.5 Ah / -30...+70 °C
BP-2450C	Battery pack, 24 VDC / 5 Ah / -30...+70 °C
RUPS2000 OEM	UPS Software bundle