

**CODE:** PSB202401, PSB552402, PSB1002403 **EN**  
**NAME:** PSB202401 27,6V/1A enclosed uninterruptible switch mode power supply  
 PSB552402 27,6V/2A enclosed uninterruptible switch mode power supply  
 PSB1002403 27,6V/3A enclosed uninterruptible switch mode power supply

## DESCRIPTION

The power supply units are intended for the feeding of alarm system equipment, which requires uninterruptible supply of 27,6V DC voltage, provided by 230V AC mains. The power supply units are protected against short-circuit, overload and overvoltage. They also have an in-built charging system and battery status monitoring system, which protect the battery against damaging, as a result of excessive discharging.



PSB202401

PSB552402

PSB1002403

## TECHNICAL DATA

|  | PSB202401   | PSB552402   | PSB1002403  |
|--|---|---|---|
| Dimensions (L x W x H)                         | 111 x 78 x 36mm   | 160 x 98 x 39mm   | 199 x 98 x 39mm   |
| Net/Gross weight                               | 265g / 280g   | 455g / 485g   | 635g / 670g   |
| Input voltage                                  | 85 ÷ 264 V AC<br>120 ÷ 370 V DC   | 85 ÷ 264 V AC<br>120 ÷ 370 V DC   | 170 ÷ 264 V AC  |
| Leakage current                                | <0,5mA / 230V AC  | <0,7mA / 230V AC  | <0,7mA / 230V AC  |
| Output voltage                                 | 24 V DC – AC operation<br>21,5 V ÷ 27,1 V – battery<br>assisted operation | 27,6 V DC – AC operation<br>21,5 V ÷ 26,5 V – battery<br>assisted operation | 27,6 V DC – AC operation<br>21,5 V ÷ 27,1 V – battery<br>assisted operation |
| Output power                                   | 20W   | 55W   | 100W  |
| Output current<br>for $t_{AMB} < 30^{\circ}C$  | 0,7 A*  | 2,0 A*  | 3,0 A*  |
| Output current<br>for $t_{AMB} = 40^{\circ}C$  | 0,5 A*  | 1,4 A*  | 2,1 A*  |
| Battery charging current                       | 0,2 A   | 0,16 A  | 0,5 A   |
| Output ripple                                  | <150mV  | <100mV  | <100mV  |
| Short circuit protection                       | YES   | YES   | YES   |
| Overload protection                            | 110% - 150% output power  | 110% - 150% output power  | 110% - 130% output power  |
| Overvoltage protection                         | YES   | YES   | YES   |
| Over temperature protection                    | NO  | NO  | NO  |
| Battery protection against deep<br>discharging | YES   | YES   | YES   |
| Operation conditions                           | 0°C ÷ 40°C, RH 20 ÷ 90 %, no condensation                                 |   |   |
| Remarks:                                       | 13,8V versions available (PSB201202, PSB551204, PSB1001206)               |   |   |

\* - refer to manual