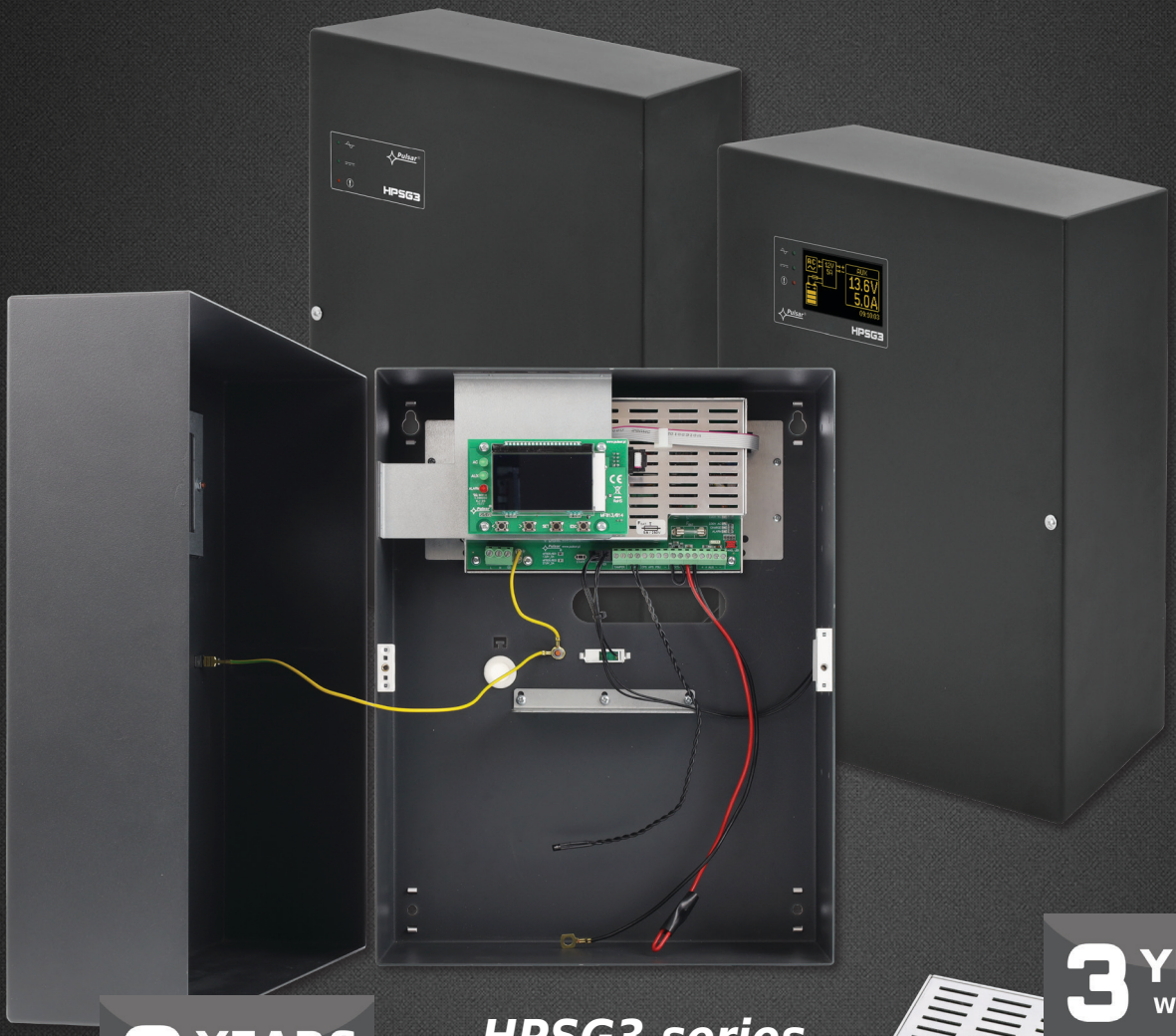
Pulsar®
www.pulsar.pl

Buffer power supply units

Compliant with EN 50131- 6
are intended to alarm
system devices

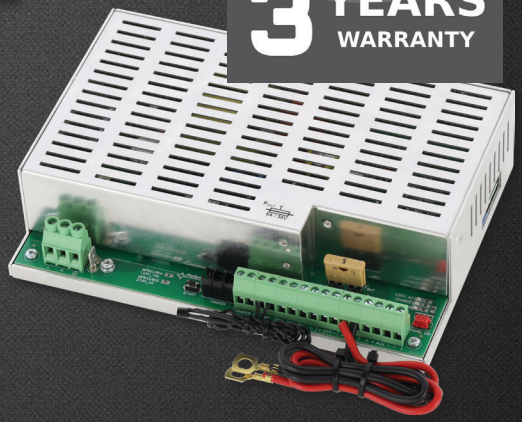
GRADE 3



3 YEARS WARRANTY

HPSG3 series

3 YEARS WARRANTY



PSG3 series

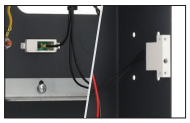
Buffer switch mode power supply units 13,8VDC / 27,6VDC
Compliant with EN50131-6 standard for alarm systems – GRADE 1, 2, 3
Compliant with EN60839-11 standard for access control systems
HPSG3 series

3 YEARS WARRANTY

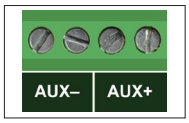
- **EN50131-6 compliance in grades 1÷3 and II environmental class**
- **EN60839-11 compliance**
- supply voltage **200 – 240VAC**
- space for battery: **17Ah – 65Ah**
- high efficiency
- low ripple voltage
- microprocessor-based automation system
- measurement of resistance of battery circuit
- automatic temperature compensation of battery charging
- output voltage control
- automatic battery test
- battery circuit continuity control
- battery voltage control
- battery charging and maintenance control
- deep discharge battery protection (UVP)
- battery overcharge protection
- battery output protection against short circuit and reverse connection
- function START allows running PSU from battery power
- technical outputs OC type „open collector”
- collective failure input EXT IN
- EPS technical output indicating AC power loss
- PSU technical output indicating PSU failure
- APS technical output indicating battery failure
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - antisabotage protection: tamper anti door opening and detachment from mounting surface
- convectional cooling
- **warranty: 3 years from production date**

- **only for LCD version:**
  - **communication: LAN, RS485 – appropriate modules required**
  - **„SERIAL” communication port with implemented MODBUS RTU protocol**

In accordance with EN50131-6, GRADE 1÷3 standard for alarm systems



Tamper switch indicating enclosure opening – 1 piece and unwanted removal enclosure from wall – 1 piece

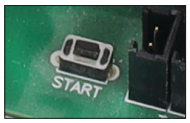


Power output terminals

Terminals for battery connection

Technical outputs

Input of external failure indication EXT IN



START button

Spacers (plastic)

Buffer switch mode power supply units 13,8VDC / 27,6VDC

Compliant with EN50131-6 standard for alarm systems – GRADE 1, 2, 3
Compliant with EN60839-11 standard for access control systems

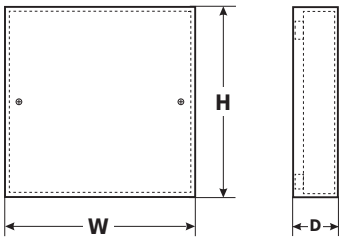
HPSG3 series

3 YEARS WARRANTY

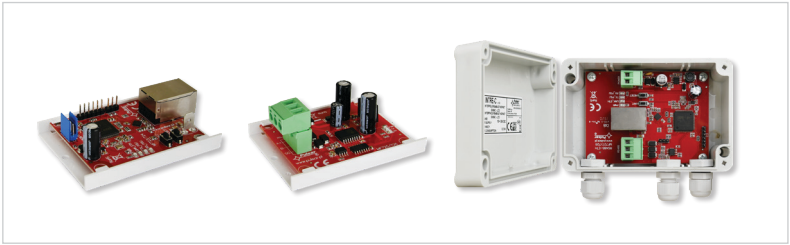
LED indication

graphic LCD display

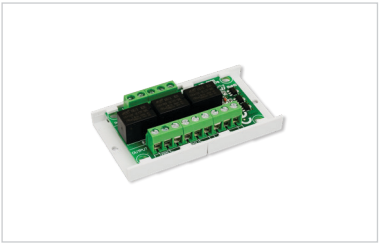
Code		Output voltage	Total output current with charging	Battery charging current	Space for battery	Dimensions W×H×D [+/- 2mm]
LED panel	LCD panel					
HPSG3-12V3A-C	HPSG3-12V3A-C-LCD	13,8VDC	3,5A	0,8A	17Ah	314×408×110
HPSG3-12V5A-C	HPSG3-12V5A-C-LCD		5,5A	0,8A	17Ah	
HPSG3-12V5A-D	HPSG3-12V5A-D-LCD		5,5A	1,8A	40Ah	314×408×190
HPSG3-12V10A-E	HPSG3-12V10A-E-LCD		10A	2,6A	65Ah	414×407×190
HPSG3-24V2A-C	HPSG3-24V2A-C-LCD	27,6VDC	2,5A	0,8A	2× 17Ah	314×408×190
HPSG3-24V5A-D	HPSG3-24V5A-D-LCD		5,0A	1,8A	2× 40Ah	414×408×190



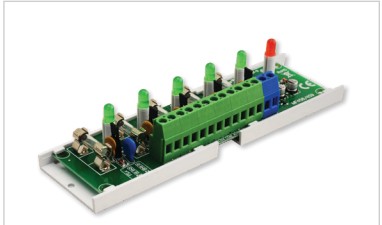
Accessories:



Interfaces (LAN, RS485)



AWZ642
Technical outputs – relay
3× OC ➔ 3× NO/NC/C



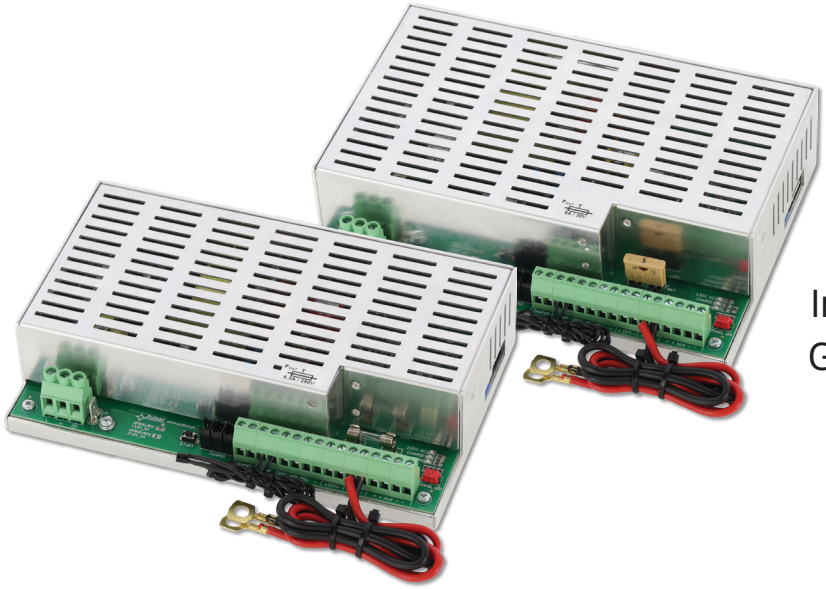
AWZ536
LB5/5×0,5A/2,5/AW fuse module

Web application (free)
„PowerSecurity”

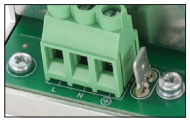
Buffer power supply modules 13,8VDC / 27,6VDC
Compliant with EN50131-6 standard for alarm systems – GRADE 1, 2, 3
Compliant with EN60839-11 standard for access control systems
PSG3 series

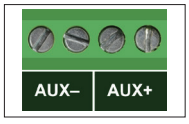
3 YEARS WARRANTY

- built-in power supply module
- **EN50131-6 compliance in grades 1÷3 and II environmental class**
- **EN60839-11 compliance**
- supply voltage **200 – 240VAC**
- powered by batteries: **7Ah – 65Ah**
- high efficiency
- low ripple voltage
- microprocessor-based automation system
- measurement of resistance of battery circuit
- automatic temperature compensation of battery charging
- output voltage control
- automatic battery test
- battery circuit continuity control
- battery voltage control
- battery charging and maintenance control
- deep discharge battery protection (UVP)
- battery overcharge protection
- battery output protection against short circuit and reverse connection
- function START allows running PSU from battery power
- optical indication
- technical outputs OC type „open collector”
- collective failure input EXT IN
- EPS technical output indicating AC power loss
- PSU technical output indicating PSU failure
- APS technical output indicating battery failure
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
- convectional cooling
- **warranty: 3 years from production date**

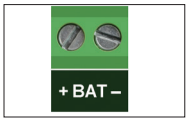


In accordance with EN50131-6, GRADE 1÷3 standard for alarm systems


Power input terminals



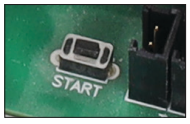
Power output terminals



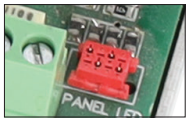
Terminals for battery connection

Technical outputs

Input of external failure indication EXTi



START button

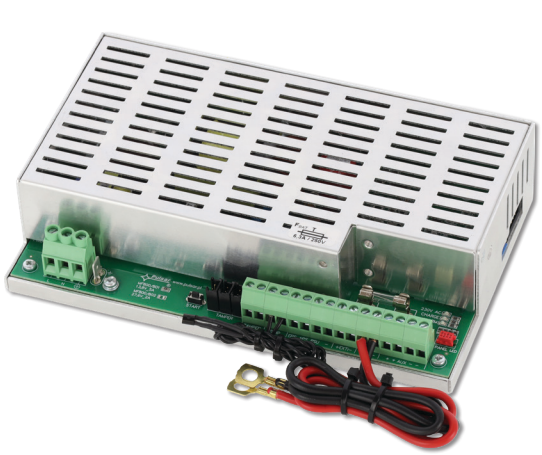

Connector for LED indicators

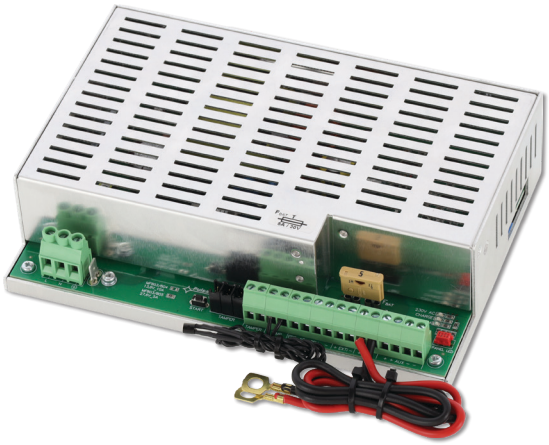
Buffer power supply modules 13,8VDC / 27,6VDC

Compliant with EN50131-6 standard for alarm systems – GRADE 1, 2, 3
Compliant with EN60839-11 standard for access control systems

PSG3 series

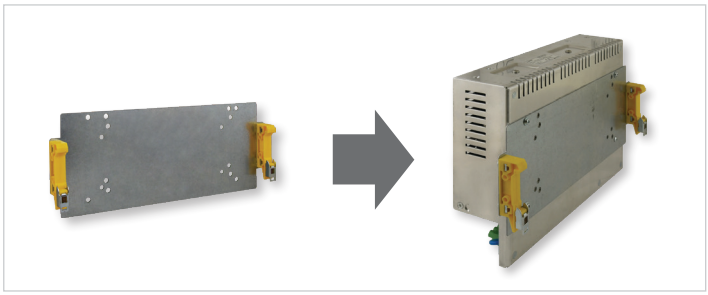
3 YEARS WARRANTY



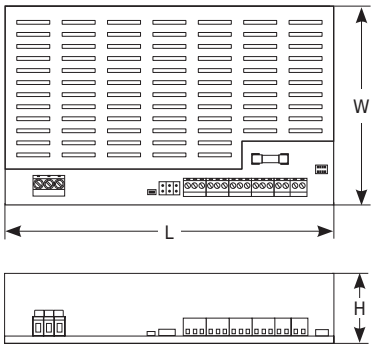


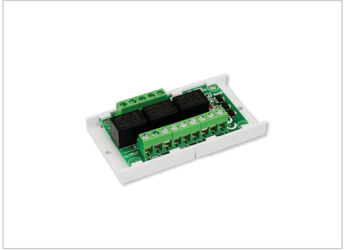
Code	Output voltage	Total output current with charging	Battery charging current	Recomended battery/batteries	Adapter DIN	Dimensions L×W×H
PSG3-12V2A-B	13,8 V DC	2,5A	0,4A	7Ah	DIN4	200×120×48
PSG3-12V3A-C		3,5A	0,8A	17Ah		
PSG3-12V5A-C		5,5A	0,8A	17Ah		
PSG3-12V5A-D		5,5A	1,8A	40Ah		
PSG3-12V10A-E		10A	2,6A	65Ah		204×141×52
PSG3-24V2A-C	27,6 V DC	2,5A	0,8A	2×17Ah		200×120×48
PSG3-24V5A-D		5,0A	1,8A	2×40Ah		204×141×52

Accessories:

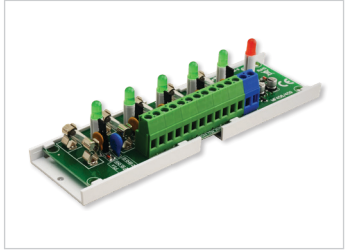


DIN4
Mounting plate for power supplies (allows mounting power supplies on TH35 rail).

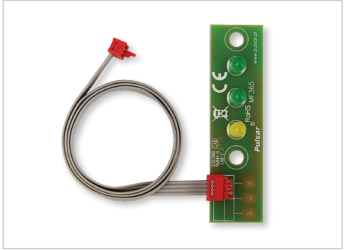




AWZ642
Technical outputs – relay
3× OC ➔ 3× NO/NC/C



AWZ536
LB5/5×0,5A/2,5/AW fuse module



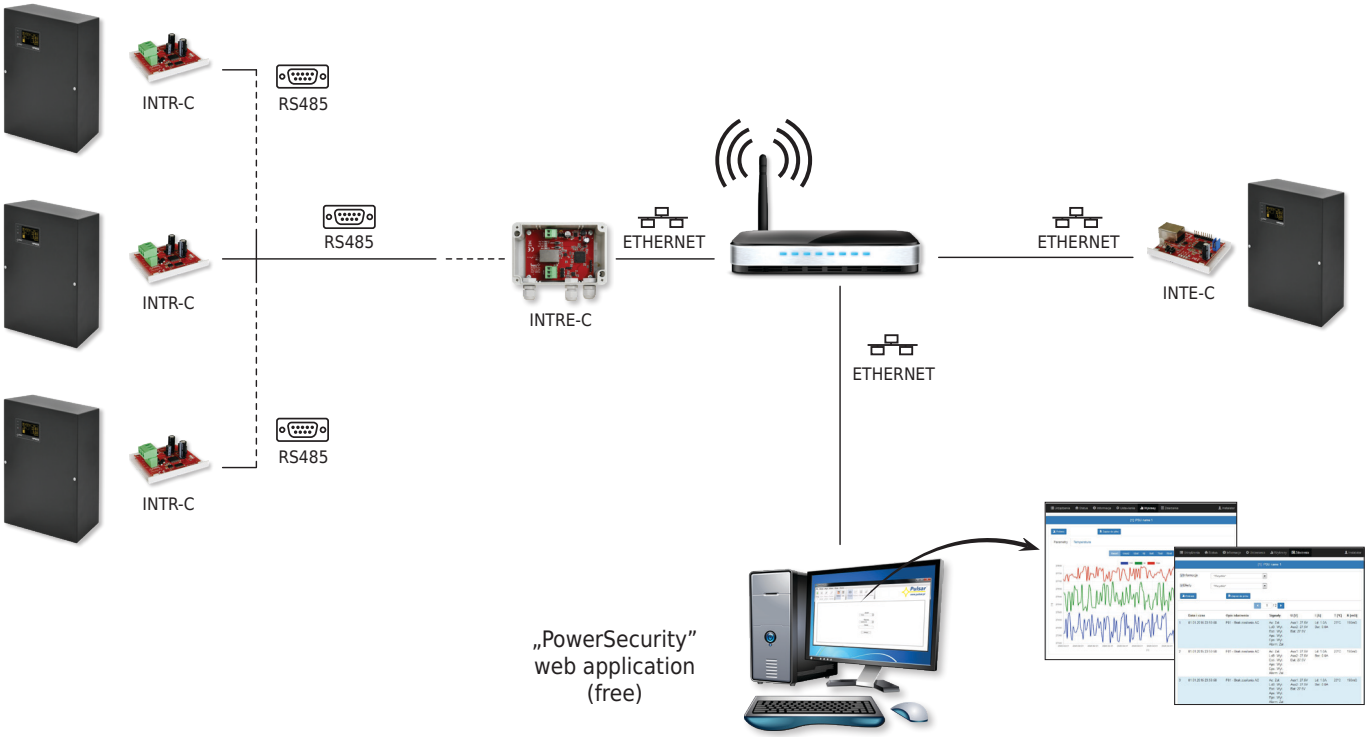
PKAZ168
Set for optical indication
(three LEDs indicating status of power supply).

Accessories for power supply units of HPSG3...LCD series
Interfaces

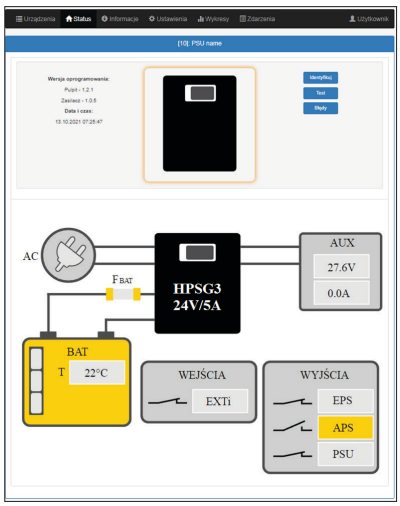
INTE-C
Interface ETHERNET

INTR-C
Interface RS485-TTL

INTRE-C
Interface RS485-ETHERNET



Window of remote access to power supply



Contact us

Pulsar
Siedlec 150
32-744 Lapczyca, Poland

+48 14 610 19 45

sales@pulsar.pl

www.pulsar.pl

Facebook

Linkedin

YouTube

Pulsar.pl

03 / 2023