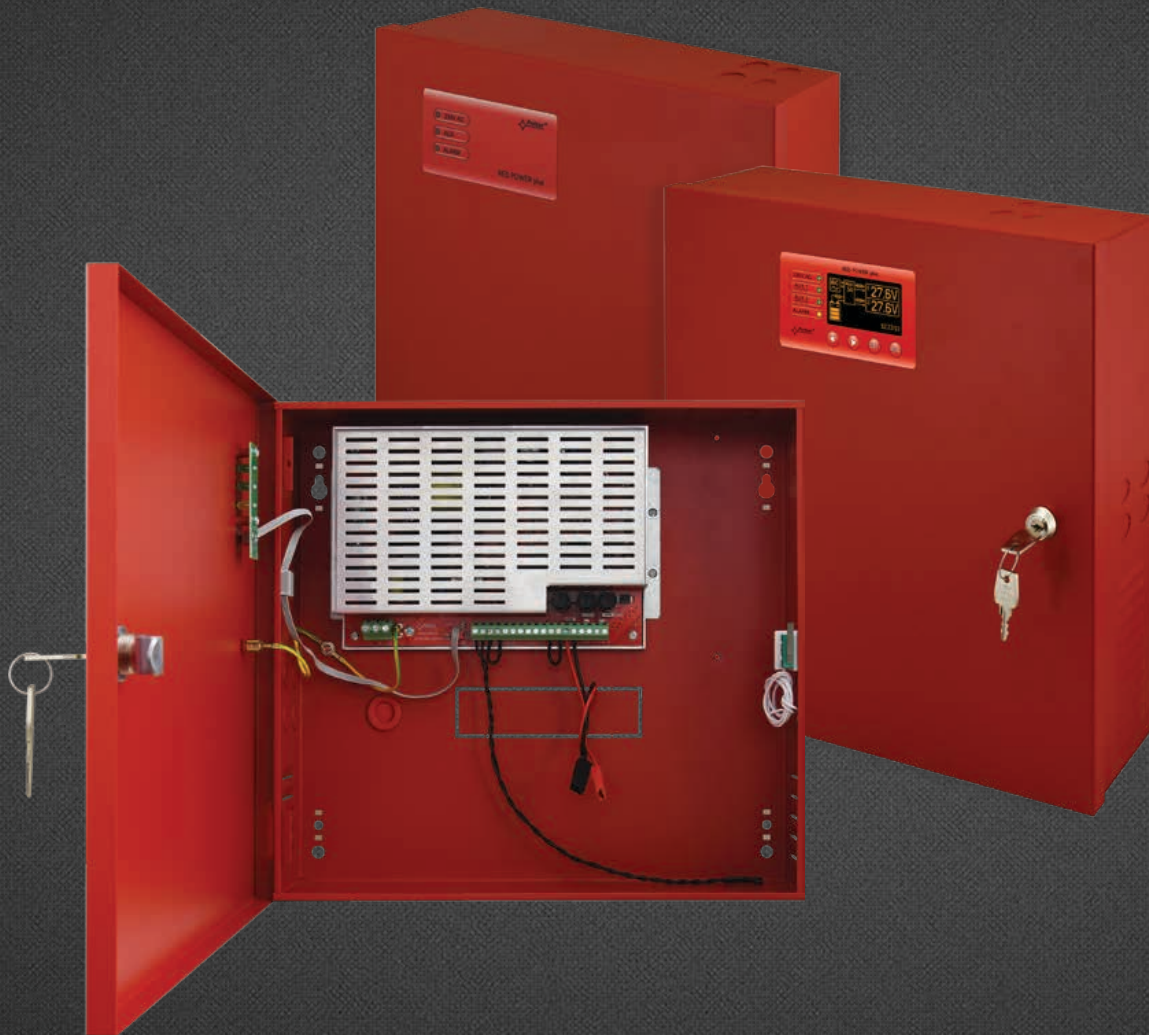


Buffer power supply units

compliant with: EN54-4, EN12101-10

Power supply units for fire alarm systems
and smoke and heat control systems



NEWS: *EN54C series*
EN54M series

Certification:



EN54C series
Certificate of constancy
of performance
CNBOP-PIB No 1438-CPR-0628
Certificate of approval
CNBOP-PIB No 3501/2019

EN54M series
Certificate of constancy
of performance
CNBOP-PIB No 1438-CPR-0630



CNBOP-PIB

Certificate of constancy
of performance
CNBOP-PIB No 1438-CPR-0628

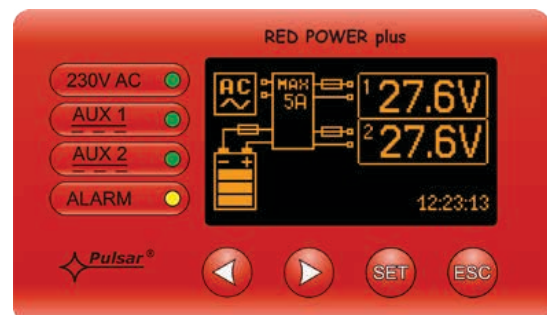
Certificate of approval
CNBOP-PIB No 3501/2019

Features

- in accordance with standards: EN 54-4, EN12101-10
- available versions with 2A/3A/5A/10A current
- available versions with space for 7Ah – 65Ah batteries
- independently protected outputs AUX1 and AUX2
- high efficiency (up to 89%)
- low level of voltage ripple
- microprocessor-based automation system
- measurement of resistance of battery circuit
- automatic temperature-compensated charging
- automatic battery test
- two-stage battery charging process
- accelerated battery charging
- monitoring of continuity of battery circuit
- monitoring of battery voltage
- monitoring of charging and maintenance of batteries
- cooperation with EN54C-LB4 and EN54C-LB8 fuse modules (optional equipment)
- cooperation with EN54C-LS4 and EN54C-LS8 sequential modules (optional equipment)
- deep discharge battery protection (UVP)
- battery overcharge protection
- LoB low battery voltage indication
- brackets set - EN54C-BR (optional equipment)
- battery output protection against short-circuit and reverse connection
- output voltage control
- fuse monitoring of AUX1 and AUX2 outputs
- relay output of collective failure ALARM
- EPS relay output indicating 230V power loss
- EXTi input of external failure
- protections:
 - SCP short-circuit protection
 - OLP overload protection
 - OVP overvoltage protection
 - surge protection
 - antisabotage protection – tamper
 - closing enclosure – lock
- convection cooling (forced only in EN54C-10Axx)
- warranty: 3 year from production date

Additional features of LCD series

- „SERIAL“ communication port with implemented MODBUS RTU protocol and TCP/IP – a list of registers is available
- optical indication – graphic LCD display
 - display of electrical parameters, e.g. voltage, current, resistance of circuit
 - failure indication
 - PSU settings adjusted from panel's level
 - adjustable delay for 230VAC power loss indication
 - 2 levels of password protected access
 - operation memory of PSU
 - failure memory
 - A real-time clock (RTC) with battery backup
- remote monitoring
 - Ethernet communication or RS485
 - online remote monitoring of operating parameters: voltage, current, temperature or resistance in battery circuit
 - PSU operation history from period of 113 days: voltage, current, or resistance in battery circuit
 - battery operating temperature readings from period up to 5 years
 - event log of up to 2048 power supply failures
 - SSL email encryption
 - remote battery test
 - free program „PowerSecurity“ to monitor performance of PSU



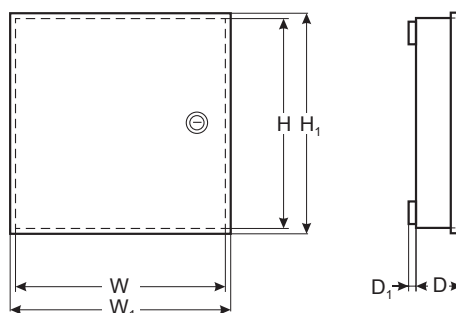


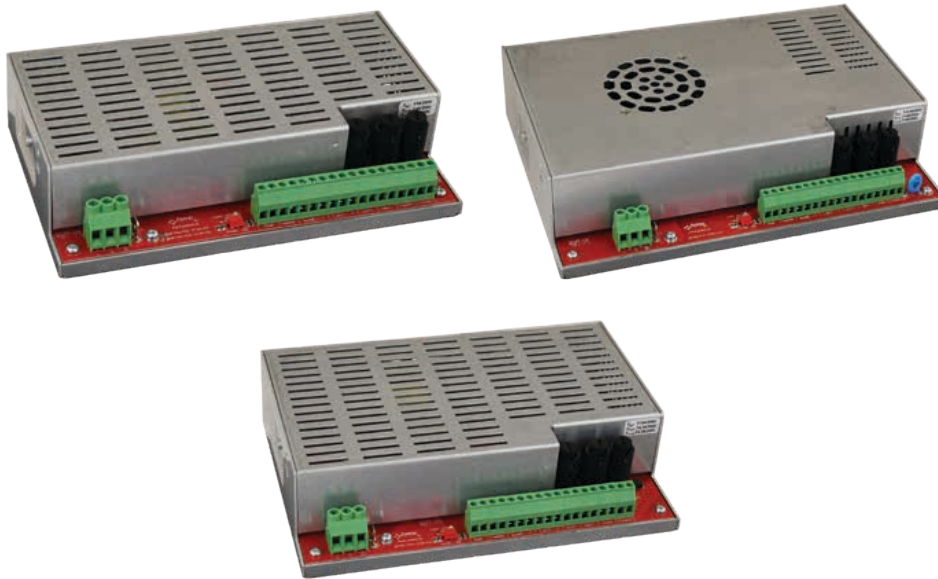
LED display

LCD display

Code		Output voltage	Total current		Fitting battery	Dimensions W×H×D+D ₁ [+/- 2mm] W ₁ ×H ₁ [+/- 2mm]
LED panel	LCD panel		for continuous operation $I_{\max a} + I_{\text{lad}}$	for intermittent operation (5 min) $I_{\max a} + I_{\text{lad}}$		
EN54C-2A7	EN54C-2A7LCD	27,6VDC	1,6A + 0,4A	2A + 0A	2×7Ah	330×305×82+8 335×308
EN54C-2A17	EN54C-2A17LCD		1,2A + 0,8A	2A + 0A	2×17Ah	385×402×88+8 390×406
EN54C-3A7	EN54C-3A7LCD		2,6A + 0,4A	3A + 0A	2×7Ah	330×305×82+8 335×308
EN54C-3A17	EN54C-3A17LCD		2,2A + 0,8A	3A + 0A	2×17Ah	385×402×88+8 390×406
EN54C-3A28	EN54C-3A28LCD		1,8A + 1,2A	3A + 0A	2×28Ah	420×407×178+8 425×411
EN54C-5A7	EN54C-5A7LCD		4,6A + 0,4A	5A + 0A	2×7Ah	330×305×82+8 335×308
EN54C-5A17	EN54C-5A17LCD		4,2A + 0,8A	5A + 0A	2×17Ah	385×402×88+8 390×406
EN54C-5A28	EN54C-5A28LCD		3,8A + 1,2A	5A + 0A	2×28Ah	420×407×178+8 425×411
EN54C-5A40	EN54C-5A40LCD		3,2A + 1,8A	5A + 0A	2×40Ah	
EN54C-5A65	EN54C-5A65LCD		2,4A + 2,6A	5A + 0A	2×65Ah	410×648×180+8 416×652
EN54C-10A17	EN54C-10A17LCD		9,2A + 0,8A	10A + 0A	2×17Ah	385×402×88+8 390×406
EN54C-10A28	EN54C-10A28LCD		8,8A + 1,2A	10A + 0A	2×28Ah	420×407×178+8 425×411
EN54C-10A40	EN54C-10A40LCD		8,2A + 1,8A	10A + 0A	2×40Ah	
EN54C-10A65	EN54C-10A65LCD		7,4A + 2,6A	10A + 0A	2×65Ah	410×648×180+8 416×652

Power supply units LCD series
- available soon





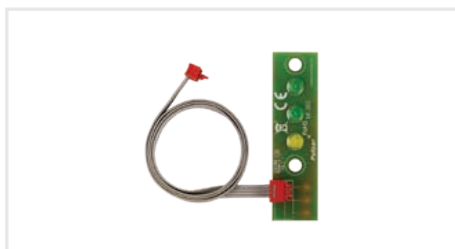
Certificate of constancy
of performance
CNBOP-PIB No 1438-CPR-0630

Features

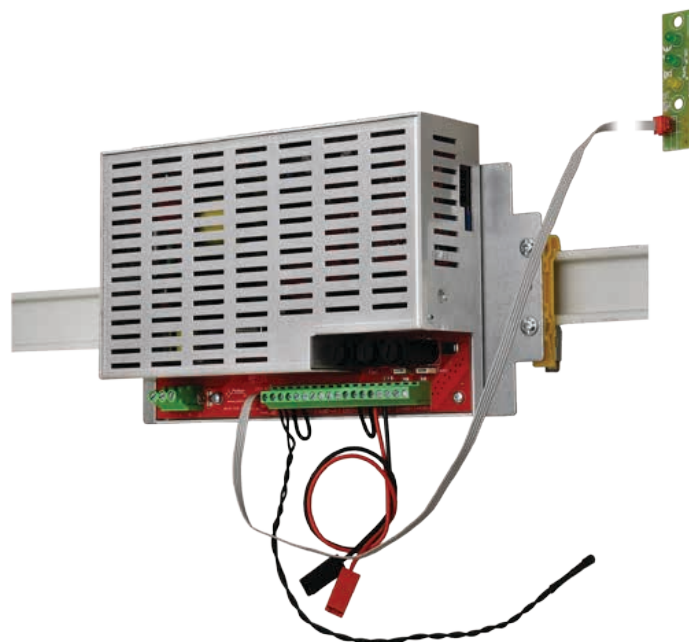
- built-in power supply module
- in accordance with standards: EN 54-4, EN12101-10
- 27,6 V DC uninterruptible power supply
- available versions with 2A/3A/5A/10A current
- available versions with space for 7Ah - 65Ah batteries
- independently protected outputs AUX1 and AUX2
- DIN rail mounting using additional EN54M-DIN1 bracket (optional equipment)
- cooperation with EN54C-LB4 and EN54C-LB8 fuse modules (optional equipment)
- cooperation with EN54C-LS4 and EN54C-LS8 sequential modules (optional equipment)
- optical indication - LED panel EN54M-LED (option)
- high efficiency (up to 89%)
- low level of voltage ripple
- microprocessor-based automation system
- measurement of resistance of battery circuit
- automatic temperature-compensated charging
- automatic battery test
- two-stage battery charging process
- accelerated battery charging
- monitoring of continuity of battery circuit
- monitoring of battery voltage
- monitoring of charging and maintenance of batteries
- deep discharge battery protection (UVP)
- battery overcharge protection
- LoB low battery voltage indication
- battery output protection against short-circuit and reverse connection
- output voltage control
- fuse monitoring of AUX1 and AUX2 outputs
- relay output of collective failure ALARM
- EPS relay output indicating 230V power loss
- EXTi input of external failure
- protections:
 - SCP short-circuit protection
 - OLP overload protection
 - OVP overvoltage protection
 - surge protection
- convection cooling (forced only in EN54M-10Axx)
- warranty: 3 year from production date



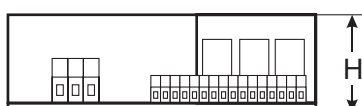
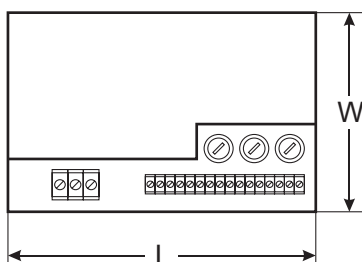
EN54M-DIN1
Bracket DIN/EN54M 1



EN54M-LED
A set for optical indication EN54M



Code	Output voltage	Total current		Battery	Dimensions LxWxH [+/- 2mm]
		for continuous operation $I_{\max a} + I_{\text{lad}}$	for intermittent operation (5 min) $I_{\max a} + I_{\text{lad}}$		
EN54M-2A7	27,6VDC	1,6A + 0,4A	2A + 0A	2x7,2Ah	200x120x48
EN54M-2A7-17		1,2A + 0,8A	2A + 0A	2x7÷20Ah	
EN54M-3A7-17		2,2A + 0,8A	3A + 0A	2x7÷20Ah	
EN54M-3A17-40		1,2A + 1,8A	3A + 0A	2x17÷45Ah	204x141x52
EN54M-5A7-17		4,2A + 0,8A	5A + 0A	2x7÷20Ah	
EN54M-5A17-40		3,2A + 1,8A	5A + 0A	2x17÷45Ah	
EN54M-5A40-65		2,4A + 2,6A	5A + 0A	2x40÷65Ah	237x168x55
EN54M-10A17-40		8,2A + 1,8A	10A + 0A	2x17÷45Ah	
EN54M-10A40-65		7,4A + 2,6A	10A + 0A	2x40÷65Ah	



Accessories for power supply units EN54C and EN54M series Interfaces, fuse modules, sequential modules

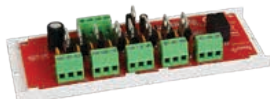
EN54C-LB4 - LB4/0,5A/FTA fuse module EN54C



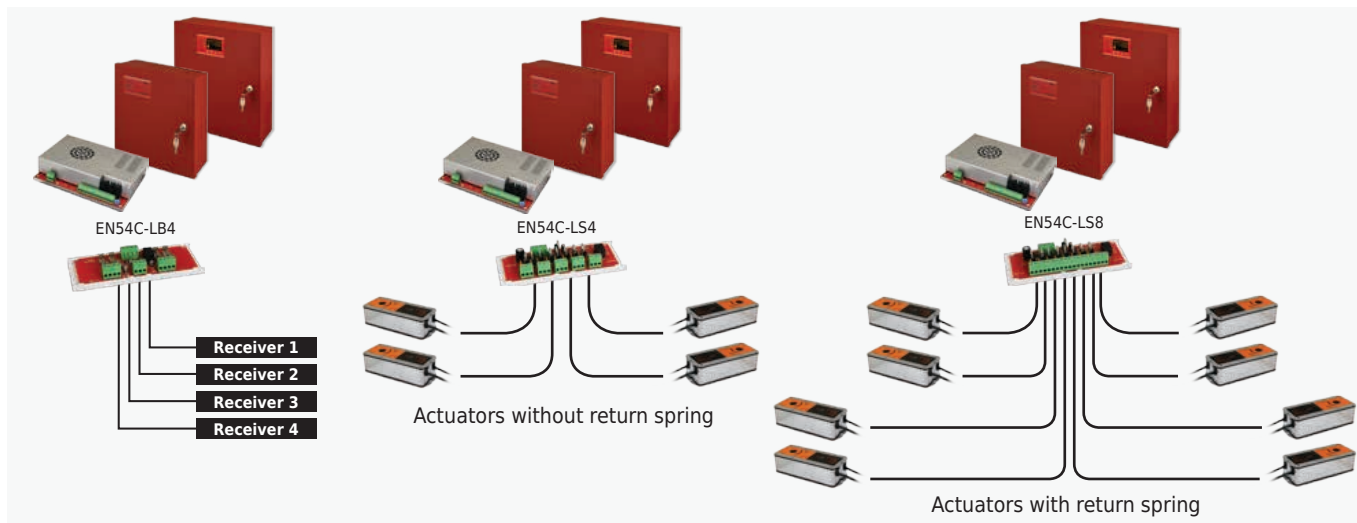
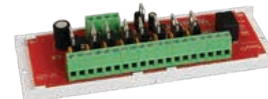
EN54C-LB8 - LB8/0,5A/FTA fuse module EN54C



EN54C-LS4 sequential module for actuators with return spring



EN54C-LS8 sequential module for actuators without return spring



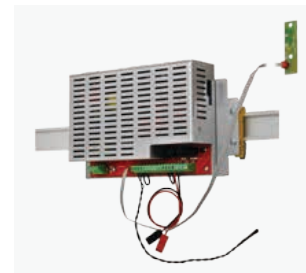
EN54C-BR
- Brackets for EN54C included



EN54M-DIN1
- Bracket DIN/EN54M 1



EN54M-LED - A set for optical indication EN54M



Applies to EN54C-...LCD

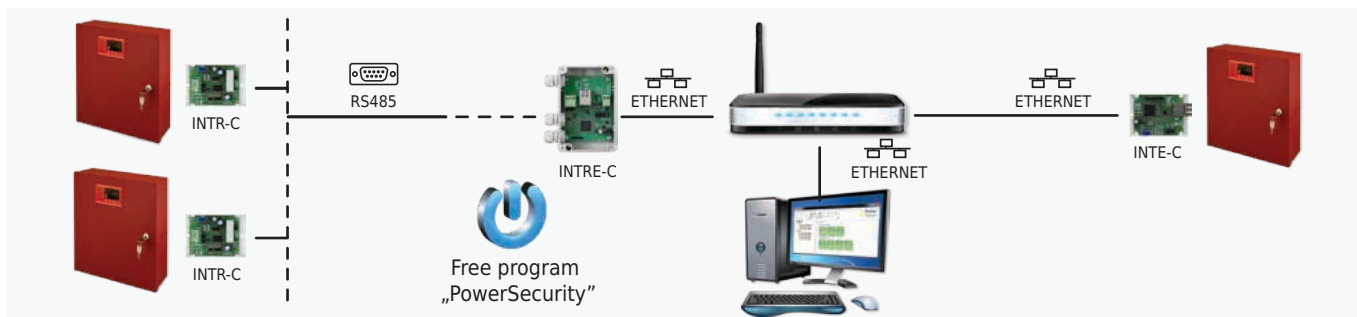
INTE-C - Interface ETHERNET EN54C-LCD



INTR-C - Interface RS485-TTL EN54C-LCD

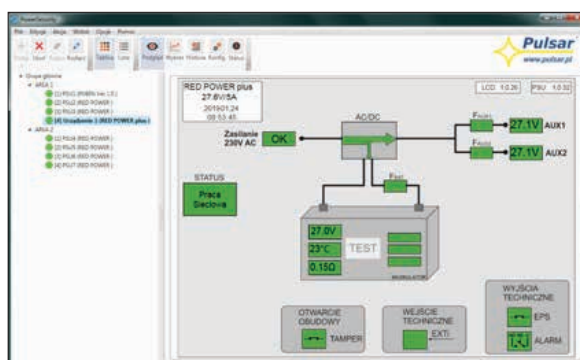


INTRE-C - Interface RS485-ETHERNET





Remote desktop window of PSU

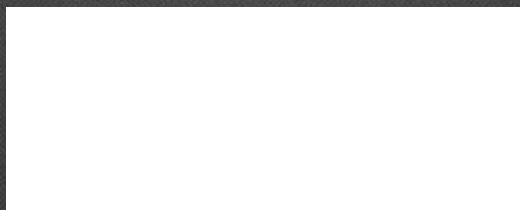


PowerSecurity is a program allowing a remote monitoring of power supply units of EN54C-LCD series equipped with a communication interface. Application allows to configure connections, analyze current parameters and to manage groups of power supply units.

Power supply units of EN54C-LCD series

For power supply units of EN54C-LCD series, remote desktop window allows monitoring following parameters:

- voltage at AUX1 and AUX2 outputs
- status of 230V mains supply
- voltage, battery level, temperature and internal resistance of battery, optional remote battery test
- status of technical outputs (EPS, Alarm)
- status of input of collective failure EXTi
- status of TAMPER input



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