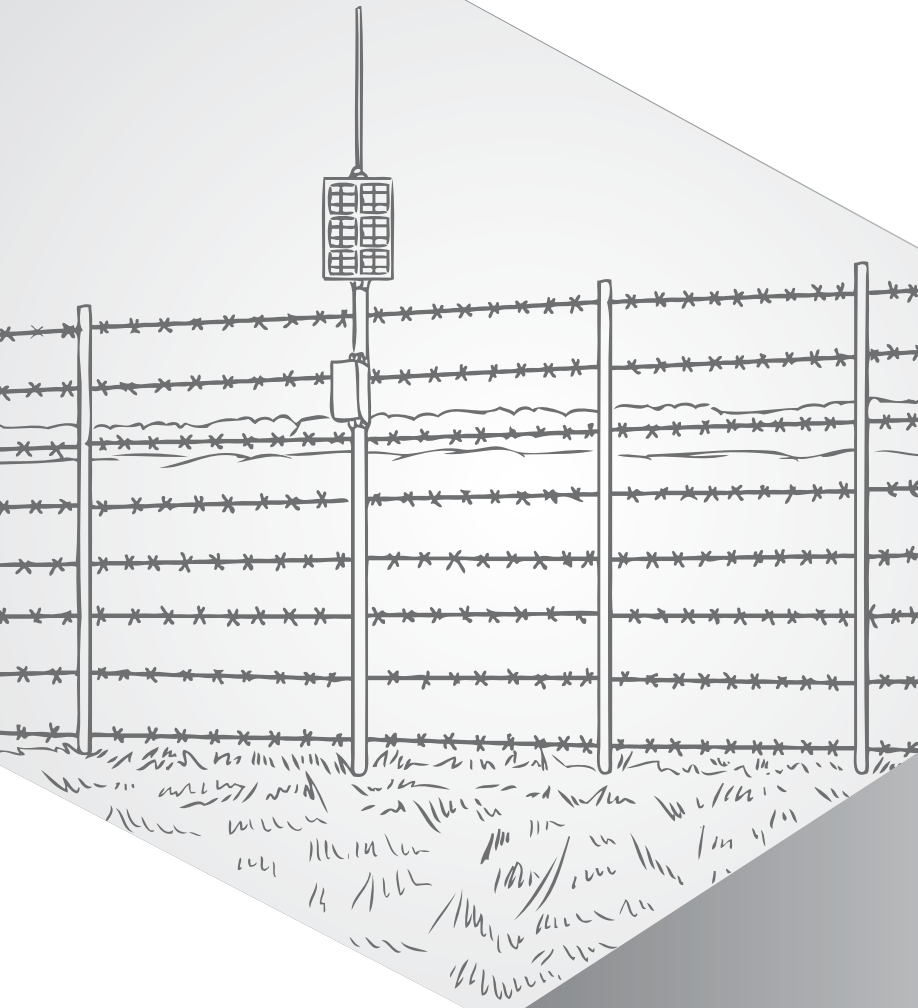


**RADIOBARRIER
UFPS**



**UNATTENDED
FENCE
PROTECTION
SYSTEM**

RADIOBARRIER UFPS is an ideal autonomous security solution for protecting barbed-wire fences from breaching or climbing over.


ARCHITECTURE

One set of RADIOBARRIER UFPS protects two sectors of a barbed-wire fence up to 500 meters each.

The fence wires are getting cut or being touched, the system sends an alarm message to the operator's console or a receiver via a radio network. RADIOBARRIER repeaters enhance the UFPS communication range.

TECHNICAL SPECIFICATION

UFPS Performance

 **Communication range (using repeaters*):**
up to 30 km in a one-level radio network
up to 350 km in a two-level radio network.

 **Operating temperatures:**
from -40 °C to +50 °C

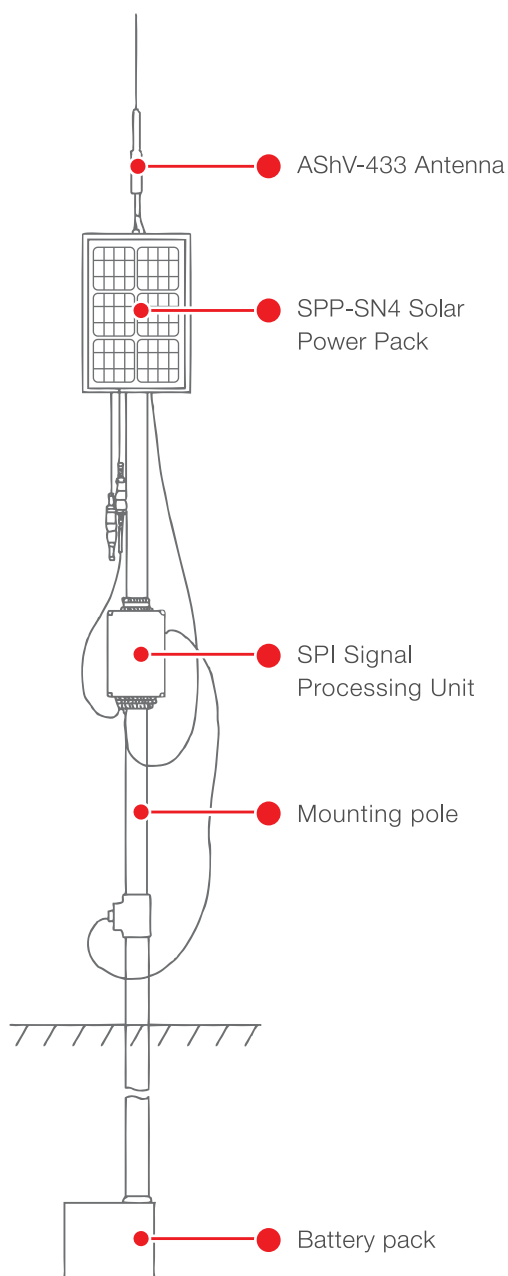
 **Height:** 1,85 m

 **Weight:** 31 kg

Minimum Technical Requirements for wire fencing:

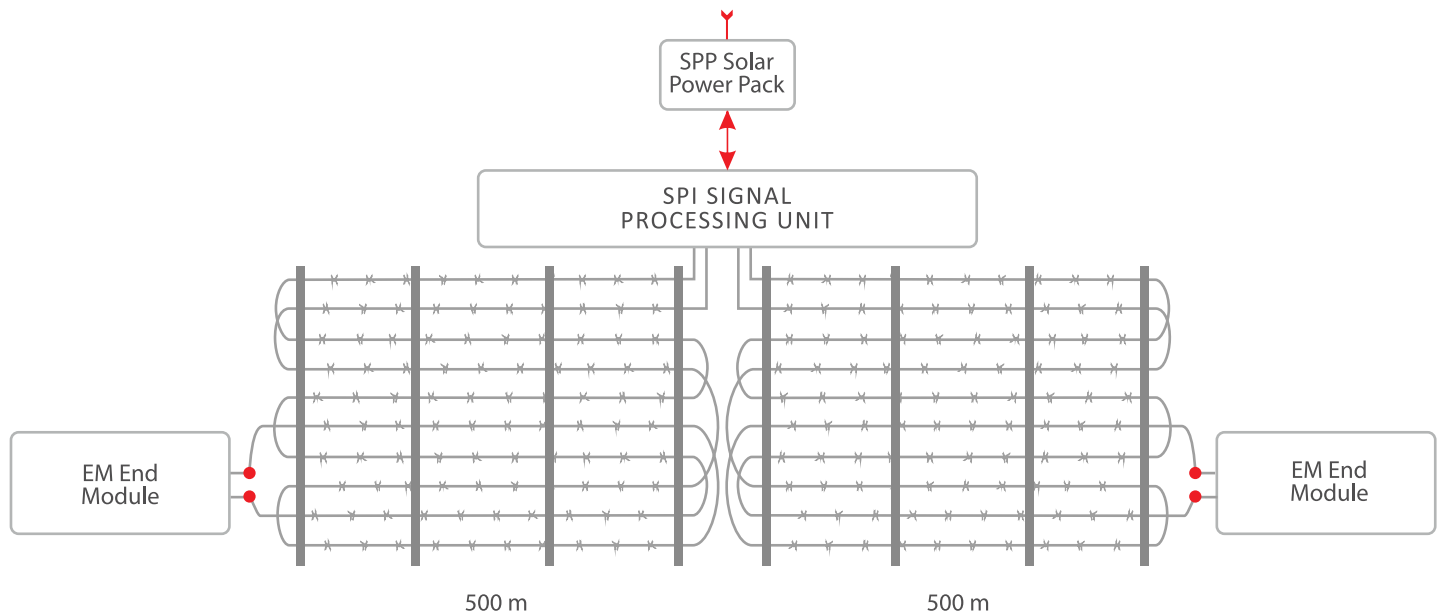
- Continuous wires
- Wire resistance — **12 Ω**
- Number of wires — **max. 24**
- Protected perimeter — **1 km**

*RADIOBARRIER repeaters enhance the communication range of UFPS.

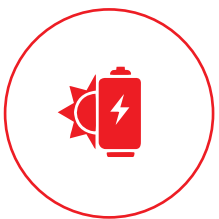


RADIOBARRIER UFPS is equipped with an SPI signal processing unit connected with two EM end modules installed on the fence wires through a low-voltage electrical connection.

In case of short-circuiting of electric wiring or its breakage, SPI unit loses the connection with the EM end module/s and forms an alarm message, which in turn is transmitted to the operators' console through a radio network.



FEATURES



AUTONOMY

RADIOBARRIER UFPS operates on an SPP-SN4 solar power pack, including a solar panel and a battery pack. This allows the system to store electrical energy generated by the solar panel for continuous autonomous operation.



REMOTE CONTROL AND INTEGRATION

RADIOBARRIER UFPS is fully compatible with RADIOBARRIER Wireless Perimeter Security System. RADIOBARRIER command and control devices set up, monitor and control the UFPS system remotely.



HIGH PERFORMANCE

RADIOBARRIER UFPS operates in all weather conditions and can be installed in the most types of terrain.



For more information on UFPS, visit our website:

www.polus-st.com