

# HYBRID



ELECTROSHOCK  
DEVICE  
FOR POLICE



# ELECTROSHOCK DEVICE (STUNGUN) HYBRID

## PURPOSE

**Multi-charge electroshock device HYBRID (ESD HYBRID)** is a special lightweight electroshock device for law enforcement agencies, a powerful double-shot stungun with two independent electroshock circuits designed for contact and remote electroshock effects on offenders.

ESD HYBRID is an electrical device that allows a differentiated approach to the use of force against an offender in order to stop an attack, suppress disobedience and limit physical resistance.

HYBRID is intended for professional service use by police officers, special forces, and legal entities with special statutory tasks in accordance with official requirements. Multi-charge stun gun HYBRID is a special tool for controlling offender's behavior, allowing to stop the offense in a short time.

**High-voltage exposure technology.** ESD HYBRID acts on the target with high-voltage electrical impulses that cause neuromuscular blockade. HYBRID transformer system is made on precision materials; it forms an effective contour with the affected area of a biological target, adapting to its physiological properties, as well as physico-chemical changes in the affected area during exposure. The circuit transmits the energy of the lesion from the device to the target in the form of special impulses that block sensory and motor nerves. Neuromuscular blockade is effective for offenders with a high pain threshold (drug users who are under severe stress, trained or trained opponents who may not feel the pain or are able to resist detention (or self-defense) despite physical pain). The electric effect of the stungun HYBRID allows to exercise control over the actions of the offender, depriving him of the opportunity to consciously interrupt the effect - to get out of the discharge or resist during the use of weapons.

Electrical parameters of the stungun HYBRID are safe for the life and health of the affected object, do not cause death or irreversible pathological changes in the body of the affected object, subject to the rules of operation and application.

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## TACTICAL FEATURES

- **Identification System.** HYBRID uses the Identification System to prevent unauthorized use of the weapon. The identification system makes it possible to exclude the possibility of unauthorized use of an electroshock discharger, initiation of cassettes for an unlimited time.
- **High-power lithium battery.** HYBRID has a removable high-power lithium polymer battery. This allows the device to operate efficiently at low temperatures, charge quickly and not lose combat readiness during storage due to the slow rate of the battery discharge. The battery has no memory effect, is equipped with a built-in charging module, over-discharge and protection system against short-circuit.
- **LED indication.** HYBRID is equipped with LED indicators for the battery charge level, identification system, cassette readiness for firing, and identification system settings.



# Double-shot non-lethal weapon

- **Flashlight.** The built-in flashlight expands the tactical possibilities when using the electroshock device.

- **Laser aiming module.** It is designed to facilitate the aiming process by forming a light spot on the target, aligned with the midpoint of the lower harpoon (probe) of the cassettes. Laser aiming module is a target designator (adjustment is performed by the manufacturer).

- **Holster.** HYBRID is equipped with a holster with a Tek-Lok attachment system for carrying the device on a waist belt. The design of the holster does not prevent carrying the stungun HYBRID with additional equipment mounted on the Picatinny rail.



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## CONSTRUCTION AND CONTROL ELEMENTS

HYBRID is structurally made in an impact-resistant housing and includes a fuse, buttons for turning on the flashlight and laser aiming module, an open sight, a trigger for firing, a magazine reset button, cassette reset buttons, trigger selection for initiation, a trigger reset button, a socket with a lock for installing an identifier key, LED indicators.

A system of side electrodes for each high-voltage circuit is installed on the sides of the stungun: they are used to check the operability of the device and narrow the gap of the idle discharge. Pointed conical combat electrodes are located in the front of the stungun.

Stungun HYBRID has a pistol shape, which makes aiming easier when it is being used remotely. Picatinny rail is used for installing additional devices.

Anti-slip textures are applied to the sides and the front of the handle for a more confident grip.



# Double-shot non-lethal weapon

## CONTACT USE

Multi-charge stungun HYBRID can be used remotely or in contact mode. Contact use against a live target: it is required to bring combat electrodes directly to the attacker's body and turn on a high-voltage discharge. HYBRID forms two high-voltage circuits in a live target, which significantly enhances the effectiveness of exposure compared to classic single-circuit stun guns.



The ESD operator, using a multi-charge dual-circuit stungun HYBRID, can use it in contact mode on the offender with previously initiated cassettes without resetting them: contact use of each electroshock circuit of the ESD is allowed when the cassettes are shot and not taken out from the magazine.

A special Shot-Lock cassette protection system as part of the ESD eliminates unauthorized initiation of the cassettes during contact use and demonstration of the blank discharge.

## REMOTE USE

ESD HYBRID allows simultaneously affecting one or two targets remotely with electroshock discharge: the multi-charge system of the stungun is equipped with two independent high-voltage circuits.

The control system of the electroshock device has the function of automatic continuous impact on the target during the time programmed by the operator: the impact is continuous after the shot, even when the trigger is released. There is also the possibility to affect the target continuously with a low-power discharge: the function is used to detain an offender (for example, handcuffing).

The remote electroshock capabilities of ESD HYBRID increase the safety of the operator – the lack of physical contact with the offender does not allow the offender to use force or cold weapons.

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## MAGAZINE AND REMOTE CASSETTES

Stungun HYBRID has a magazine for two remote cassettes. The magazine can be quickly recharged or the cassette can be quickly discarded without charging the magazine. A differentiated remote impact on one or two objects can be sustained after cassettes have been shot.

The cassette is chosen for firing using the triggers located in the rear of the device. The drawn-up triggers are reset using the button located under the triggers. The chosen cassette, i.e. the cassette ready for firing, is additionally indicated by the corresponding indication on the stungun.



The cassette is made in an impact-resistant housing and consists of: a locking element for installation in the magazine; contact pads located on the side of the housing to be in high-voltage contact with the high-voltage electrodes of the stungun to initiate the cassette; shutters covering the acceleration channels and a wire placed in individual sinuses.

There are 2 probes in the acceleration channels with the center of gravity shifted forward to ensure stable flight and fixation on the target using a needle with a special hook. The probes have a rear plastic casing and a swivel bracket for connecting the probe to the wire.

**Aiming.** For close shot distances (up to 3 m.), it is allowed to aim intuitively. For more accurate aiming, use either the open sight or the laser target designator.

The cassettes are initiated by the energy of the high-voltage discharge produced by the stungun.



# Double-shot non-lethal weapon

If the requirements for initiation and use are met, the cassette is safe for the life and health of the affected person.

## **SAFETY MEASURES WHEN WORKING WITH THE MAGAZINE AND CASSETTES**

- THE CASSETTE CANNOT BE REPAIRED. IT IS NOT SUBJECT TO DISASSEMBLY BY THE USER.
- THE CASSETTE IS DISPOSABLE AND CANNOT BE RESTORED AFTER USE.
- TAKE PRECAUTIONS. WHEN CHARGING/DISCHARGING THE CASSETTE INTO THE MAGAZINE, DIRECT THE CASSETTE AWAY FROM YOURSELF.
- ALL OPERATIONS RELATED TO CHARGING/DISCHARGING THE MAGAZINE INTO THE STUNGUN HYBRID SHOULD BE CARRIED OUT WITH THE SAFETY SWITCH TURNED ON.
- THE MINIMUM SAFE APPLICATION DISTANCE IS 1 METER.
- KEEP AWAY FROM FIRE!
- STORE IN A DRY PLACE.
- KEEP OUT OF REACH OF CHILDREN!
- DO NOT APPLY TO THE HEAD.



# ELECTROSHOCK DEVICE (STUNGUN) HYBRID

## TECHNICAL CHARACTERISTICS

- Output voltage at the electrodes, kV	in accordance with the contract
- Impact power, W	in accordance with the contract
- Resistance to external influences: it is operable in the temperature range from -20 °C to +50 °C and relative humidity up to 98% at a temperature of +25 °C	
- Distance between the working electrodes, mm	40
- Distance between the cutting electrodes, mm	20
- Length of the combat electrodes, mm	8
- Test cycles lasting 1 second with a fully charged battery, at least	250
- Work cycles of 3 seconds each with a fully charged battery, at least	80
- Battery: Removable rechargeable LiPol rechargeable battery 11.1V, 600 mAh.	
- Number of battery charge cycles, at least	500
- Service life of the ESD, years	5*
- Identification system	
- Flashlight	yes
- Laser designator	yes
- Power consumption in the mode "The device is removed from the fuse, the electric shock arrester is not turned on, the flashlight and the laser aiming module (LAM) are turned off", no more than, mA. 25	
-Aiming range of the cartridge: 8 meters and further tracking of the target up to 10 meters.	

\*The possibility and conditions of the device operation after this period can be determined by a joint decision of the manufacturer and the customer.

# Double-shot non-lethal weapon

## DELIVERY SET

- ESD HYBRID – 1pc.;
- Magazine – 1 pc.;
- Holster with Tek-Lok mounting system – 1 pc.;
- ID with wrist strap – 1 pc.;
- Master key - 1 pc.;
- Rechargeable LIPOL battery – 1 pc.;
- Charger cord – 1 pc.;
- User`s manual (with warranty card and passport) – 1 pc.;
- Packaging – 1 pc.

## Additional set

- Remote cassettes





OBERON-ALPHA

## ABOUT THE COMPANY

OBERON-ALPHA - is a Russian developer and manufacturer of non-lethal police tasers and civilian stun guns for self-defense.

OBERON-ALPHA company specializes in development, production and sale of class A special equipment for the police, as well as civilian electric self-defense weapons - powerful Class 1 electroshock devices.

### **OBERON-ALPHA offers:**

- Development and production of Class A electroshock devices for the police and legal entities with special statutory tasks.
- Development of police special equipment (including custom-made).
- Development and production of civilian electroshock devices (stunguns).
- Development and installation of protective high-voltage barriers.
- Production of smoke cartridges (signal colour smoke cartridges).
- Engineering services for design of goods of any complexity according to the order.

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<https://oberon-alpha.ru/>  
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