



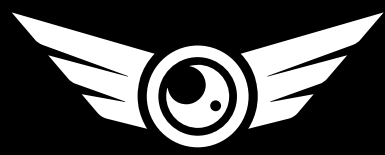
Tactical
Technology

MADE IN UKRAINE

TACTICAL TECHNOLOGY

Innovations that ensure the safety and effectiveness of tactical groups with the help of technology: Electronic warfare, UAVs and FPV drones.

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**Tactical
Technology**



ABOUT COMPANY

People with an engineering mindset, combat experience and an understanding of the importance of advanced technologies in modern warfare. Our team consists of leading engineers in the modern defense industry and works closely with many military units.

We have the ability to respond quickly to technological changes in the combat environment and thereby promptly offer solutions that ensure high combat capability and safety of personnel in the conditions of performing assigned tasks.

CHARACTERISTICS		MOROK-4X	MOROK-3X	MOROK-1X	MOROK -1	THOR	MOLOT	MOROK-3	MOROK-4	MOROK-5
COMBAT CHARACTERISTICS										
 Radio jamming operating frequency range, MHz Any combination of bands from 150 MHz to 6000 MHz is possible. Additional ranges can be equipped with MOROK-1 (50 W), MOROK-1x (100-150 W)		400-460; 730-1020; *150 MHz - 6000 MHz	730-1020 *150 MHz - 6000 MHz	850-930; *150 MHz - 6000 MHz	850-930 *150 MHz - 6000 MHz	730-820; 820-920; 920-1020; *150 MHz - 6000 MHz	2400-2500; 5720-5850 *150 MHz - 6000 MHz	730-820; 820-920; 920-1020; *150 MHz - 6000 MHz	820-920; 920-1020; 2400-2500; 5720-5850 *150 MHz - 6000 MHz	730-820; 820-920; 920-1020; 2400-2500; 5720-5850 *150 MHz - 6000 MHz
	 Impact range, m	до 5000	до 5000	до 5000	до 5000	до 5000	до 5000	до 5000	до 5000	до 5000
	 Average target suppression range, m	від 200	від 200	від 200	від 100	≈ 250 DJI	≈ 500 DJI	≈ 250 FPV	≈ 500 DJI ≈ 250 FPV	≈ 500 DJI ≈ 250 FPV
	 Output power, W Calculation for 1 antenna (range) - 50 W	≥4×100±10%*	≥3×100±10%*	100±10%	50±5%	від 150	від 100	від 150	від 200	від 250
	 Power consumption, W Accuracy 3-5%	1800	1400	500	200	420	285	430	570	710
 Deployment and preparation time, min		3	3	3	3	3	3	3	3	3
 Clotting time		3	3	3	3	3	3	3	3	3
TECHNICAL SPECIFICATIONS										
 Weight without battery, kg		12,78	15,05	3,46	2,55	3,2	3	7,5	4,6	6,4
 Length, mm		535	612	250	225	237	214	575	318	349
 Width, mm		291	295	193	141	189,5	189,5	212	189,5	268
 Height, mm		91	105	128	128	54	54	120	54	57
PERFORMANCE CHARACTERISTICS										
 Warranty period, months		12	12	12	12	12	12	12	12	12
 Operating time at maximum power, min from the declared batteries		30 60***	40 80 ***	110 220 ***	300 600 ***	55 150 ***	70 210 ***	215 430 ***	160 320 ***	130 260 ***
 Ambient temperature limit range, °C		від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50	від -40 до +50
 Protection level		IP68	IP68	IP68	IP65	IP65	IP65	IP65	IP65	IP65
BATTERY PROPERTIES										
	Battery capacity, Ah	60 *** 120	60 *** 120	60 *** 120	60 *** 120	60 *** 120	15 *** 40	60 *** 120	60 *** 120	60 *** 120
	Battery output voltage, V	29,4	29,4	29,4	29,4	29,4	29,4	29,4	29,4	29,4
	Input voltage of the charger, V	110-240	110-240	110-240	110-240	110-240	110-240	110-240	110-240	110-240
	Output voltage of the charger, V	29,4	29,4	29,4	29,4	29,4	29,4	29,4	29,4	29,4
	Charger power, A	20	20	20	10	10	10	20	20	20

* any combination of ranges is possible

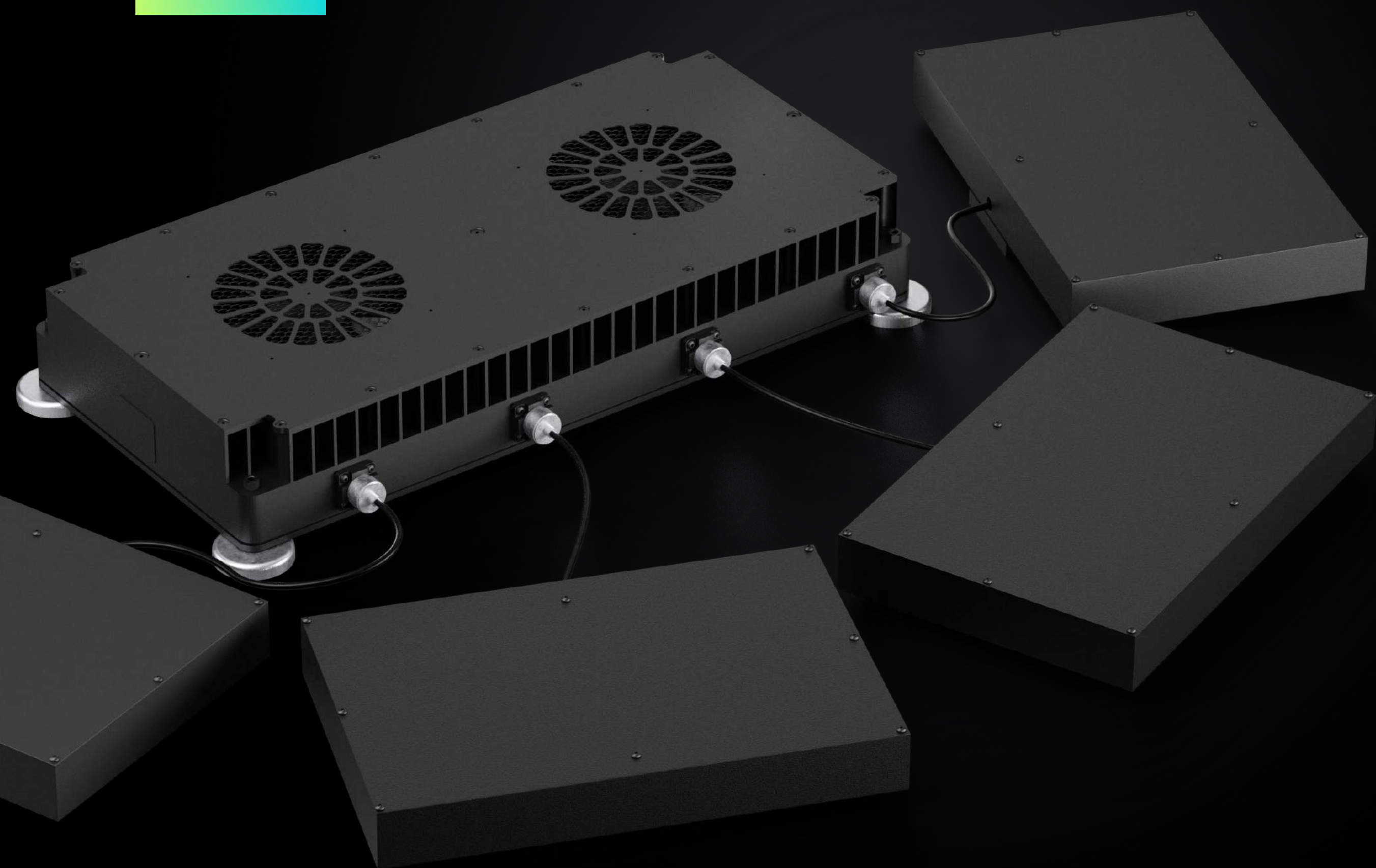
** depending on the ambient temperature

*** optional increase of the battery to 'N'



MOROK-4X

PORTABLE



The portable electronic warfare device "MOROK-4X" is not just a technical tool, but a real shield that provides a strategic advantage in the fight against modern threats. This device creates an impenetrable barrier in key frequency ranges: 400-460 MHz, 730-820 MHz, 820-920 MHz and 820-1020 MHz. "MOROK-4X" can be equipped with jamming modules with an output power of 100W, 150W or 200W. A variety of antenna equipment - from dome to directional antennas - allows you to adapt the device to any tactical situation.



Range of influence
up to **5000 m**



Frequency generation range
390-480 MHz, 730-1020 MHz,
(150*-6000* MHz)



Output power
≥ **4×100±10%***



Average suppression range
from 200 m

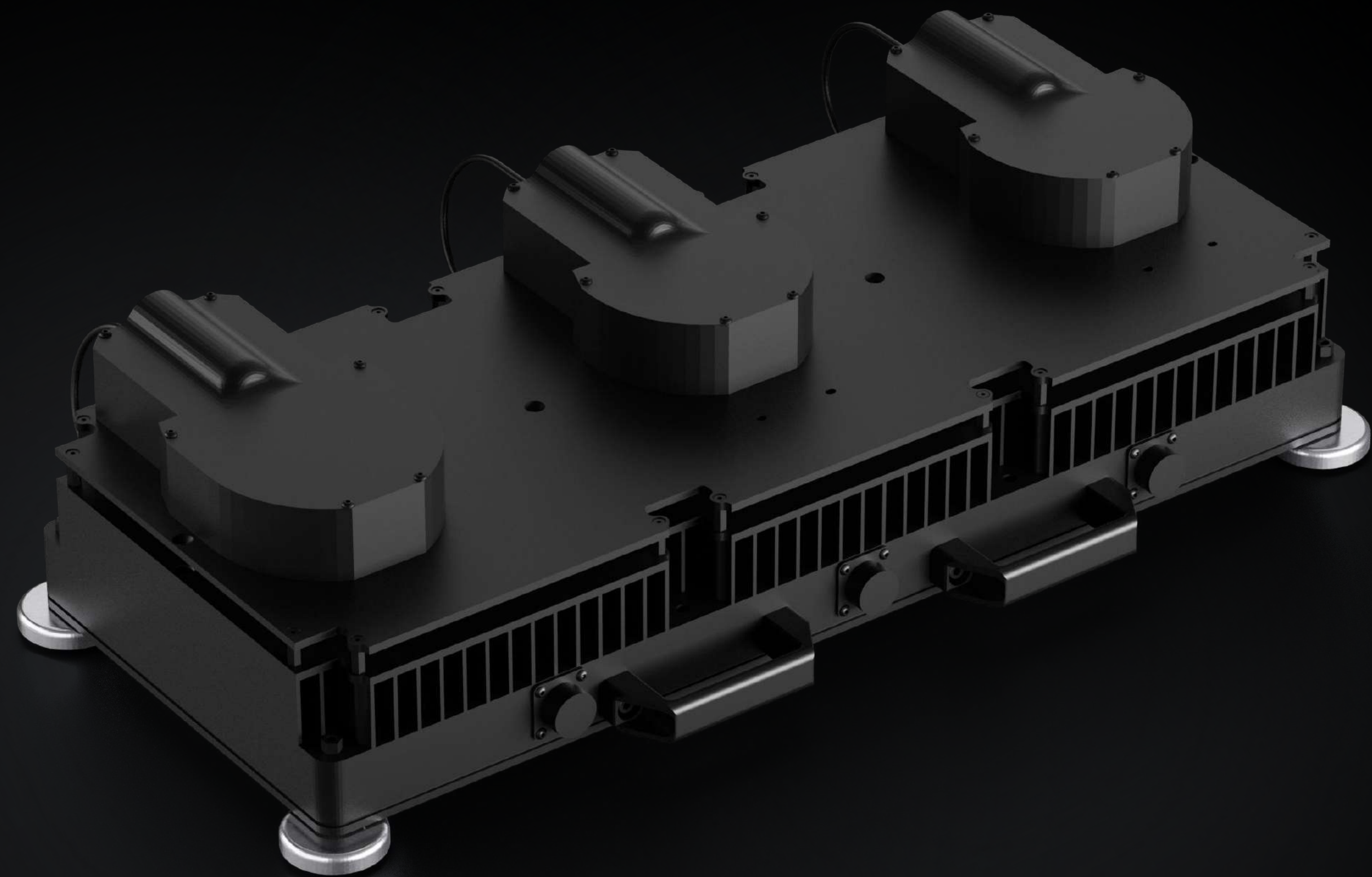
Weight without battery	Length	Width	Height
12.78 kg	535 mm	291 mm	91 mm
Consumer power	Warranty period	working time	The range of temperatures
1800 W	12 months	≥ 30 min (60 min**)	-40 to +50 °C
Battery capacity	≥ 60 (120**) Ag		
Battery output voltage	29.4 V		
Power of the charger	20 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP68		
Type of antennas	omnidirectional**		

* At the customer's request, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz. Upon agreement with the customer, it is possible to install modules with an output power of 100, 150, and 200 W.
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.



MOROK-3X

PORTABLE



Portable electronic warfare device "MOROK-3X" is a modern tool created for decisive actions in electronic warfare. The device works effectively in the frequency ranges of 730-820 MHz, 820-920 MHz and 820-1020 MHz, creating insurmountable obstacles for the enemy. Equipped with 100W, 150W or 200W interference modules allows you to adapt it to any task. In addition, the device supports both dome and directional antennas, which expands its functionality.



Range of influence
up to **5000 m**



Frequency generation range
730-1020 MHz,
(150*-6000* MHz)



Output power
≥ **3×100±10%***



Average suppression range
from 200

Weight without battery	Length	Width	Height
15.05 kg	612 mm	295 mm	105 mm
Consumer power	Warranty period	working time	The range of temperatures
1400 W	12 months	≥ 40 min (80 min)	-40 to +50 °C

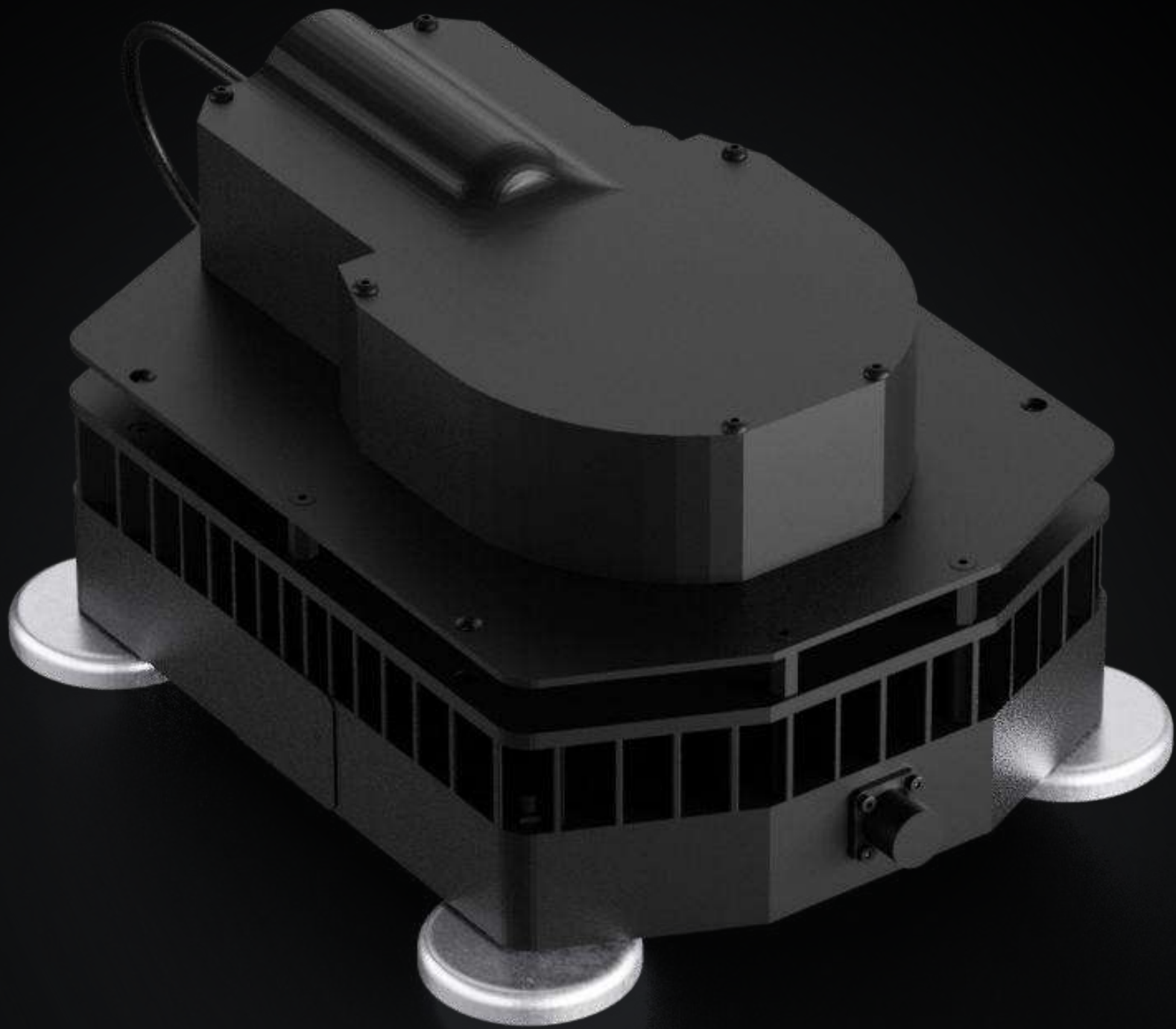
Battery capacity	≥ 60 (120**) Ag
Battery output voltage	29.4 V
Power of the charger	20 A
Charger input voltage	110-240 V
Output voltage of the charger	29.4 V
Degree of protection	IP68
Type of antennas	omnidirectional***



*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz. Upon agreement with the customer, it is possible to install modules with an output power of 100, 150, and 200 W
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.

MOROK-1X

PORTABLE



The portable electronic warfare device "MOROK-1X" is the embodiment of power and technology that surpasses conventional countermeasures. Designed for strategic advantage, it creates a powerful barrier, effectively blocking enemy UAVs and FPV drones in the 850-930 MHz frequency range. Equipped with 100W, 150W or 200W interference modules allows you to adapt "MOROK-1X" to any combat conditions, and the choice between dome and directional antennas provides maximum flexibility. This device not only neutralizes the threat, but is also a game changer, disrupting enemy strategies.



Range of influence
up to **5000 m**



Frequency generation range
850-930 MHz,
(150*-6000* MHz)



Output power
≥ **100±10%**



Average suppression range
from 200

Weight without battery	Length	Width	Height
3.46 kg	250 mm	193 mm	128 mm
Consumer power	Warranty period	working time	The range of temperatures
500 W	12 months	≥ 110 min (220 min**)	-40 to +50 °C

Battery capacity	≥ 60 (120**) Ag
Battery output voltage	29.4 V
Power of the charger	20 A
Charger input voltage	110-240 V
Output voltage of the charger	29.4 V
Degree of protection	IP68
Type of antennas	omnidirectional***

*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz.
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.



MOROK-1

PORTABLE



Portable radio electronic warfare device "MOROK-1" is a real technological battering ram created to establish total control over the airwaves. This device emits powerful radio-electronic interference in the 850-930 MHz frequency range, turning any enemy operation into chaos. Thanks to 100W, 150W or 200W jamming modules, "MOROK-1" is able to work both pointwise and on a large scale, destroying communication systems even in difficult conditions. A choice between dome and directional antennas allows for maximum effectiveness depending on the tactical mission.



Range of influence
up to 5000 m



Frequency generation range
**850-930 MHz,
(150*-6000* MHz)**



Output power
≥ 50 ± 5%



Average suppression range
from 100

Weight without battery	Length	Width	Height
2.55kg	225 mm	141 mm	128 mm
Consumer power	Warranty period	working time	The range of temperatures
200 W	12 months	≥ 300 min (600 min**)	-40 to +50 °C

Battery capacity	≥ 60 (120**) Ag
Battery output voltage	29.4 V
Power of the charger	20 A
Charger input voltage	110-240 V
Output voltage of the charger	29.4 V
Degree of protection	IP65
Type of antennas	omnidirectional***

*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz.
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.



THOR

PORTABLE



The "THOR" electronic warfare tool is designed to counter FPV, provides protection to small tactical groups, vehicles, light armored vehicles and tactical fortifications. MOLLE mounts allow you to securely fix the device and the external battery on the plate carrier, which provides the operator with mobility and free hands without unnecessary discomfort due to compactness and low weight. Due to magnetic fasteners, the operator can quickly install the tool on equipment with additional dome (dipole) antennas. The three-channel transmitter operates in the range of 730-1020 MHz with an output power of 150 W (50 W for each band) and is equipped with omnidirectional "Omni" antennas mounted on the fighter. The battery with a capacity of 15 Ah provides up to 55 minutes of operation.



Range of influence
up to 5000 m



Frequency generation range
730-1020 MHz



Output power
from 150 W



Average suppression range
from 100 m

Weight without battery	Length	Width	Height
3.2 kg	237 mm	189.5 mm	54 mm
Consumer power	Warranty period	working time	The range of temperatures
420 W	12 months	up to 55 min	-40 to +50 °C
Battery capacity	60 Ag		
Battery output voltage	29.4 V		
Power of the charger	10 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP65		
Type of antennas	omnidirectional		



MOLOT

PORTABLE



The "MOLOT" radio-electronic warfare tool is designed to counter civilian-type UAVs (DJI), protecting small tactical groups and vehicles from surveillance and dropping enemy systems. The dual-channel transmitter operates in the 2.400 - 2.500 GHz and 5.720 - 5.850 GHz bands with an output power of 100 W (50 W per band) and . equipped with omnidirectional antennas "Omni". Due to magnetic fasteners, the operator can quickly install the device on equipment with additional dome (dipole) antennas. The battery with a capacity of 15 Ah provides operation for up to 70 minutes.



Range of influence
up to 5000 m



Frequency generation range
2400-2500 MHz
5720-5850 MHz



Output power
from 100 W



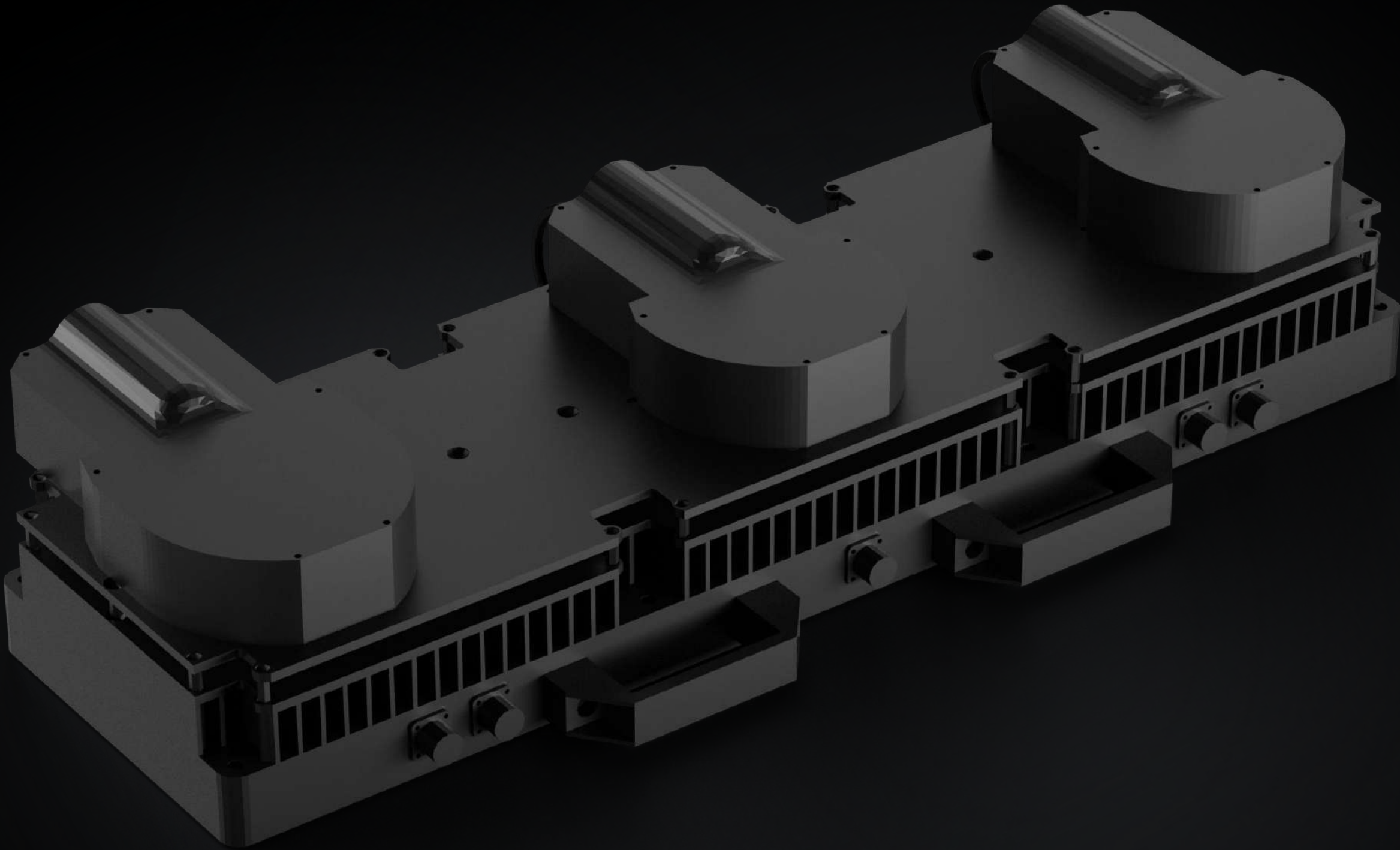
Average suppression range
from 250 m

Weight without battery	Length	Width	Height
3 kg	214 mm	189.5 mm	54 mm
Consumer power	Warranty period	working time	The range of temperatures
285 W	12 months	up to 70 min	-40 to +50 °C
Battery capacity	60 Ag		
Battery output voltage	29.4 V		
Power of the charger	20 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP65		
Type of antennas	omnidirectional		



MOROK-3

PORTABLE



The "MOROK-3" electronic warfare device is designed to counter FPV. Born in fire, designed to protect lightly armored and armored vehicles, often caught in the vortex of the unstoppable elements of war. He stands on guard for the life of the landing party, when every step of the sortie or evacuation from the BBM becomes a struggle for survival. The device has a three-channel jamming transmitter in the 730-1020 MHz range with an output power of 150 W (50 W per range) and dome dipole antennas. The 60 Ah battery provides up to 215 minutes of operation, and the additional spectrum analyzer allows you to detect UAVs in a wide range of frequencies .



Range of influence
up to **5000 m**



Frequency generation range
730-1020 MHz



Output power
≥ **3×50±5%***



Average suppression range
from 250 m

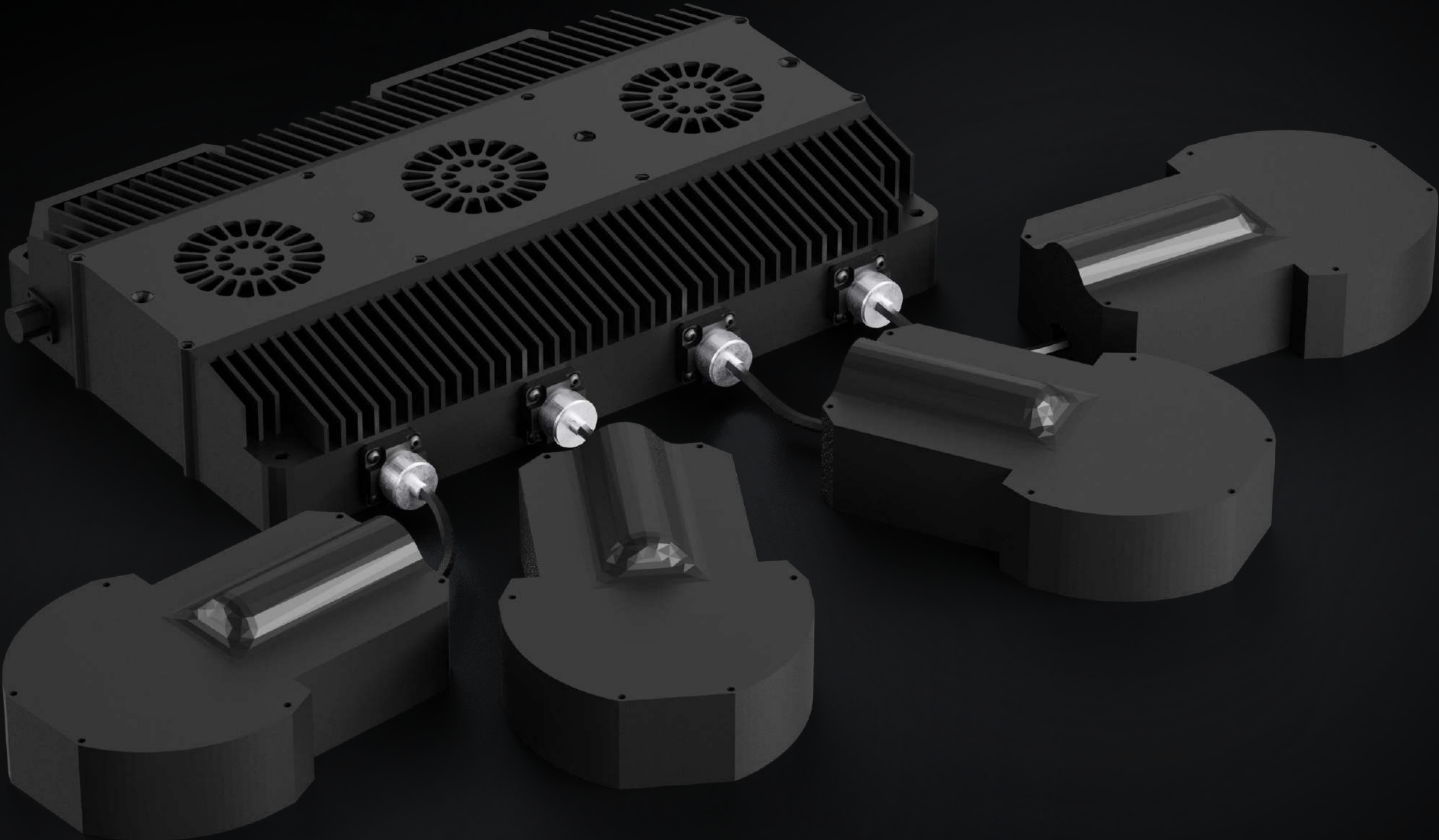
Weight without battery	Length	Width	Height
7.5 kg	575 mm	212 mm	120 mm
Consumer power	Warranty period	working time	The range of temperatures
430 W	12 months	up to 215 min	-40 to +50 °C
Battery capacity	60 Ag		
Battery output voltage	29.4 V		
Power of the charger	20 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP65		
Type of antennas	omnidirectional***		

*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz.
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.



MOROK-4

PORTABLE



The MOROK-4 electronic warfare tool is designed to counter civilian-type UAVs (DJI) and the most common FPV drone control channels. It was born to protect fighters on the front lines, where every day is a challenge. Providing reliable protection on the most dangerous routes of combat missions, it becomes an indispensable shield. Magnetic mounts make it easy to install on any equipment, and dome dipole antennas provide powerful protection for personnel and equipment even in the most extreme conditions. The four-channel transmitter operates in the bands 820-1020 MHz, 2.4 GHz and 5.8 GHz with an output power of 200 W (50 W per band) and is equipped with Omni-directional antennas. The battery with a capacity of 60 Ah provides up to 160 minutes of operation.



Range of influence
up to 5000 m



Frequency generation range
**820-1020, 2400-2500,
5720-5850 MHz**



Output power
≥ 4×50±5%*



Average suppression range
from 250 m

Weight without battery	Length	Width	Height
4.6 kg	318 mm	189.5 mm	54 mm
Consumer power	Warranty period	working time	The range of temperatures
570 W	12 months	up to 160 min	-40 to +50 °C
Battery capacity	60 Ag		
Battery output voltage	29.4 V		
Power of the charger	20 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP65		
Type of antennas	omnidirectional***		

*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz.

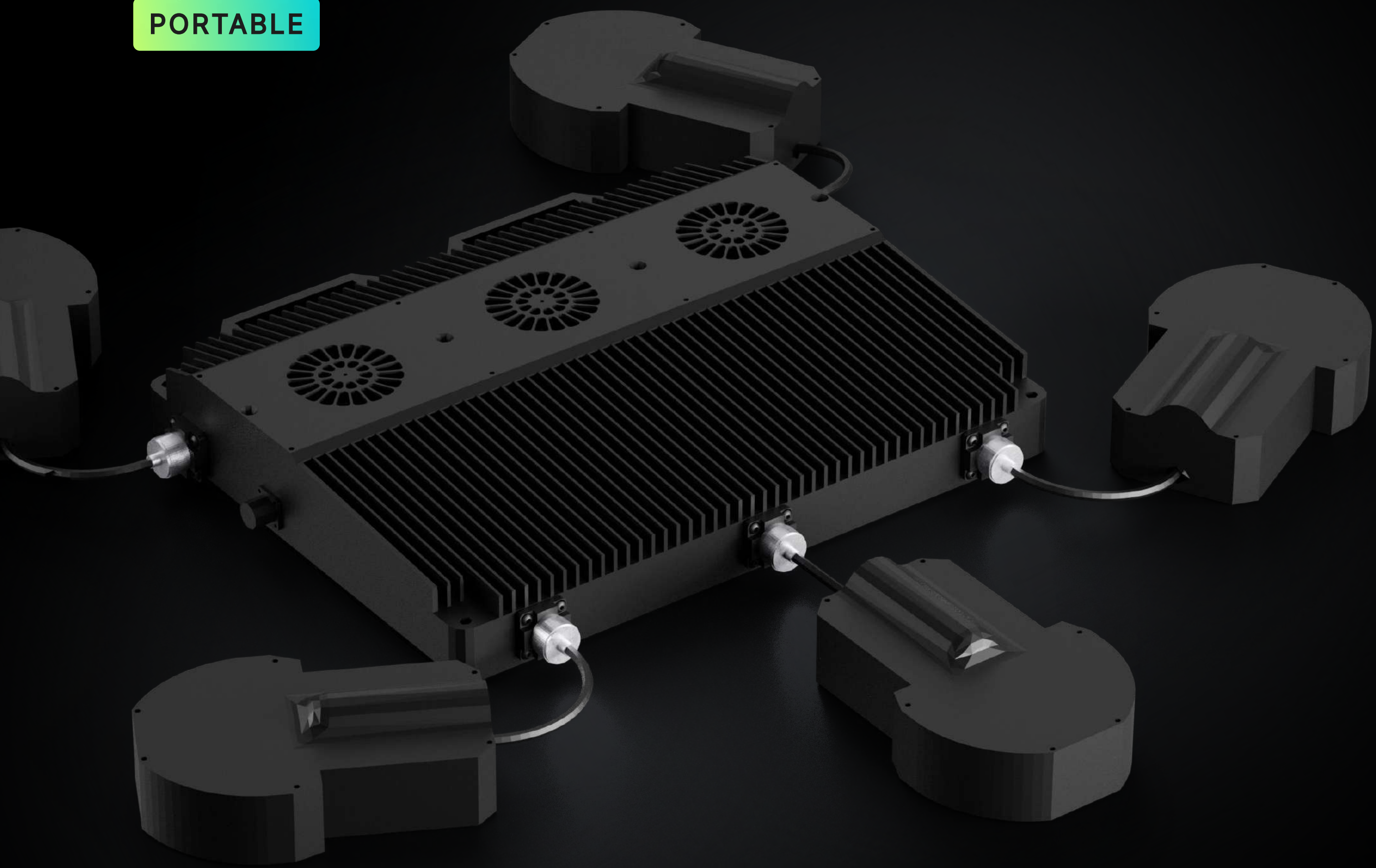
** The product can be equipped with a battery of increased capacity upon agreement with the customer.

*** The product can be equipped with dipole antennas.



MOROK-5

PORTABLE



The MOROK-5 electronic warfare tool is the flagship of our products, designed to counter civilian-type UAVs (DJI) and virtually all FPV drone control channels. It is designed for maximum protection of soldiers and officers in modern realities of war. Capable of protecting personnel and equipment on the most dangerous combat routes and resisting sabotage drone operations. Magnetic mounts make it easy to install on any equipment, and dome dipole antennas provide solid protection even in the most extreme conditions. The five-channel transmitter covers the bands 720-1020 MHz, 2.400-2.500 GHz and 5.720-5.850 GHz with a power of 250 W (50 W each . per range), and can be supplemented with MOROK-1 (50 W) and MOROK-1X (100-150 W) modules.



Range of influence
up to 5000 m



Frequency generation range
**730-1020, 2400-2500,
5720-5850 MHz**



Output power
≥ 5×50±5%*



Average suppression range
from 250 m

Weight without battery	Length	Width	Height
6.4 kg	349 mm	268 mm	57 mm
Consumer power	Warranty period	working time	The range of temperatures
710 W	12 months	up to 150 min	-40 to +50 °C
Battery capacity	60 Ag		
Battery output voltage	29.4 V		
Power of the charger	20 A		
Charger input voltage	110-240 V		
Output voltage of the charger	29.4 V		
Degree of protection	IP65		
Type of antennas	omnidirectional***		

*At the request of the customer, it is possible to set operating frequency ranges from 150 MHz to 6000 MHz.
** The product can be equipped with a battery of increased capacity upon agreement with the customer.
*** The product can be equipped with dipole antennas.



GROUND CONTROL STATION



Designed with precision and power, this ground control station stands as the ultimate bridge between operator and sky. Its sleek, ergonomic form houses a symphony of advanced components, ensuring seamless communication and control over aerial operations.

Video frequencies

**1.2 GHZ PATCH: 9.5DBI (RHCP) GAIN, 30°
HORIZONTAL, 40° VERTICAL - 5.8 GHZ
PATCH, 14.4DBI (RHCP) HORIZONTAL 30° ,
VERTICAL 30° - HELIX TYPE DIRECTIONAL
ANTENNA, 5.8 GHZ, 21.5 DBI, 30°
HORIZONTAL, 30° VERTICA**

Video receivers

**SKYZONE STEADY VIEW X 5.8GHZ
IPS SCREEN RECEIVER- 1.2-1.3G
VIDEO RECEIVER**

Control antenna

**720-868 MHZ, 19 DBI, YAGI TYPE,
HORIZONTAL 180°, VERTICAL 200°**

Replaceable control module

**TBS CROSSFIRE MICRO TX V2
OR HAPPYMODEL ELRS ES900TX**

Replaceable control module

**TBS CROSSFIRE TX 1W
(CHANGEABLE) - TBS CROSSFIRE RX**

Battery

**2 X 3S7P, 21AH (466WH)
- CHARGING TIME: 4 HOURS**

Includes: Case - Cable to the tripod - Cable to the glasses - Cable to the equipment - Tripod with a cover - Video and control antennas Control module - Radiomaster TX12 equipment with batteries Charger 12.6 V 15 A

*It is possible to equip the range extender with any accessories you need



MAVIC/MATRICE REPEATER



The MAVIC/MATRICE Repeater is a pinnacle of innovation, designed to amplify and stabilize communication and video signals with precision and reliability. Seamlessly blending cutting-edge technology and practical design, it is an indispensable tool for professionals demanding superior performance in dynamic environments.

Video	5.8G SKYZONE STEADYVIEW TO FPV AND READYTOSKY VTX 1.2G 800MW TO GROUND
Video transmitter antenna	TRUERC SINGULARITY 1280 V2 1.3G
Video receiver antenna	FLY MOD TRIPLE FEED PATCH ARRAY-114.4DBI 5.8G
Dipole and shape filter antenna	(868/915)
Controls	TBS CROSSFIRE TX 1W (CHANGEABLE) - TBS CROSSFIRE RX
Batteries	2 PCS. 3S 850MAH (SUBJECT TO CHANGE)

Includes: Repeater - 3 inch FPV monitor DMKR screen - Shape Shifter antenna (868/915) - Two batteries - Additional housing for ELRS module - VRX 1.2G ground receiver, antenna, Notch filter - XT60-XT30 adapter - Additional 5.8G omnidirectional antenna - Case

*It is possible to equip the range extender with any accessories you need



OUR CONTACTS



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