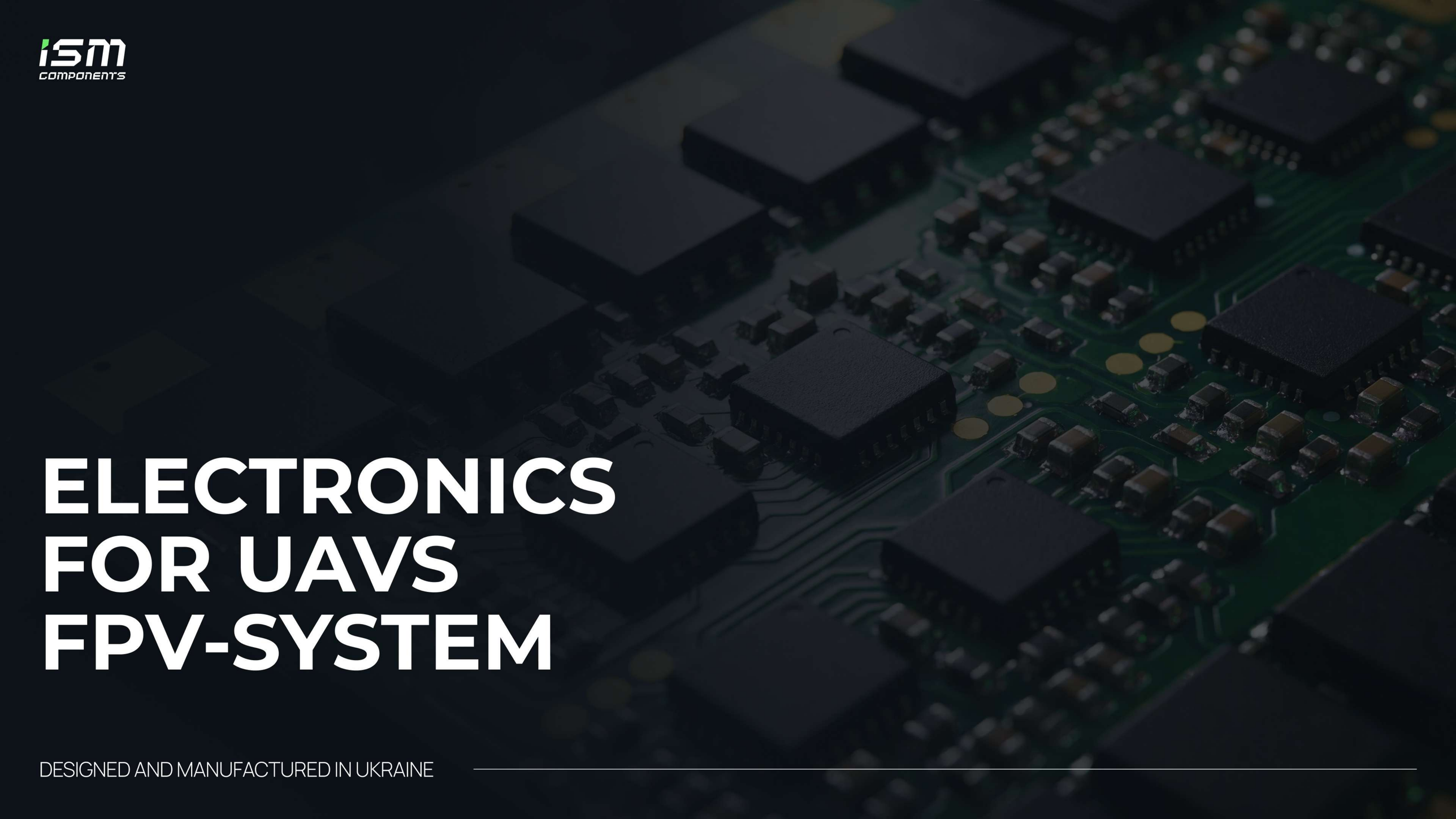
ISM COMPONENTS



ELECTRONICS FOR UAVS FPV-SYSTEM

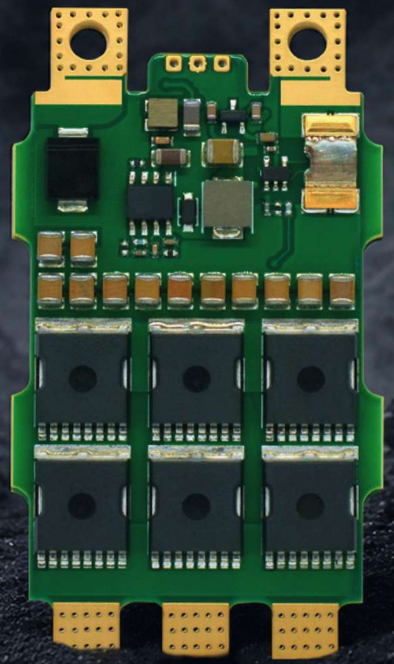
DESIGNED AND MANUFACTURED IN UKRAINE

ISM COMPONENTS

PRODUCT CATEGORIES

SPEED CONTROLLERS ESC

EFFICIENT MOTOR CONTROL

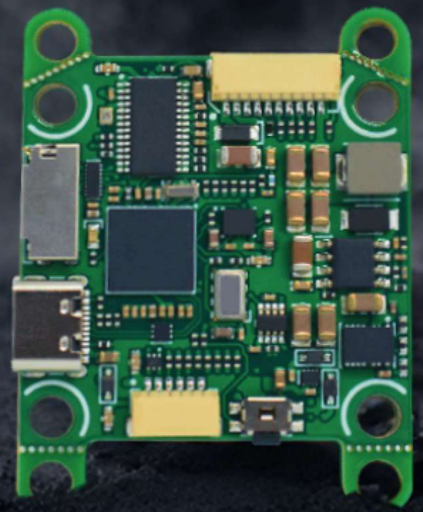


// AMELIA SOLO X2

// AMELIA SOLO 12S

AIRCRAFT CONTROLLERS FC

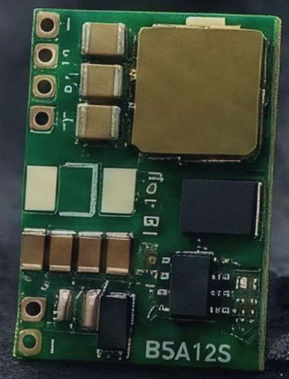
PRECISE CONTROL IN ANY CONDITIONS



// AMELIA FC H7-LITE 4–12S

BEC MODULES

STABLE POWER SUPPLY FOR YOUR PRODUCTS



// AMELIA BEC B5A12S

ISM COMPONENTS

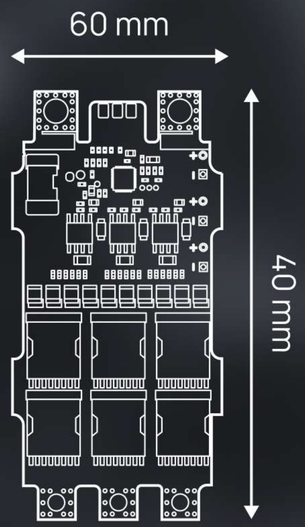
GUARANTEED AVAILABILITY WHEN ORDERING

MADE IN UKRAINE 🇺🇦

AMELIA
SOLO X2

ESC 180A 5–12S
Technical Specifications

Power Supply	5–12S / 15–53 B
Direct Current	130 A
Peak Current	160 A
Protocols	DShot 300/600, Servo PWM
PWM	8–96 kHz
Board	12 layers
Dimensions	60 × 40 × 6 mm
Weight	48 g



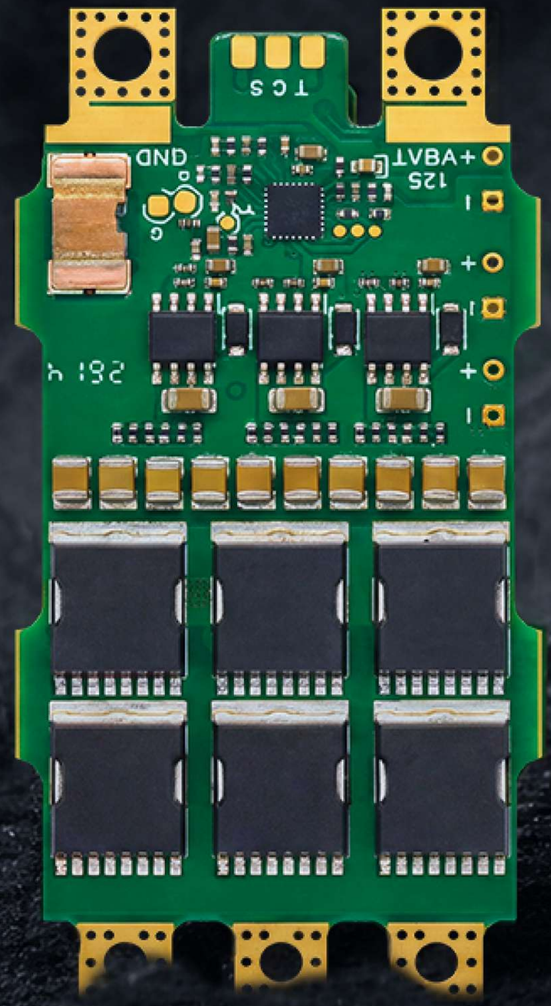
Peak current up to 160 A
Peak load up to 160 A

Cable connections
Safe bolted connection

Capacitor array
Double-sided placement for stable voltage

Supports 12S (up to 54V+)
For high-voltage systems

MIL-STD-810 reliability
Resistance to shocks, vibrations, and temperature.



4480 UAH

ISM COMPONENTS

GUARANTEED AVAILABILITY UPON ORDER

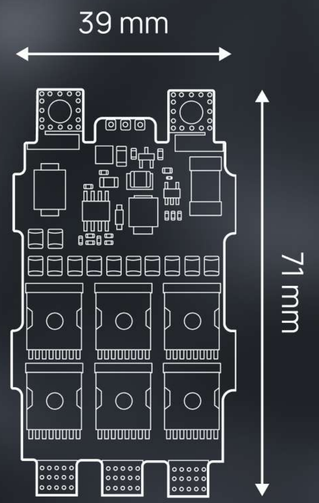
MADE IN UKRAINE 🇺🇦

AMELIA
SOLO 12S

ESC 120A 5–12S

Technical Specifications

Power Supply	4–12S / 15–53 V
Direct Current	70 A
Peak Current	120 A / <30 s
PWM	8–96 kHz
Telemetry	BDShot
Board	8 balls
Dimensions	39 × 71 × 5.2 mm
Weight	26 g



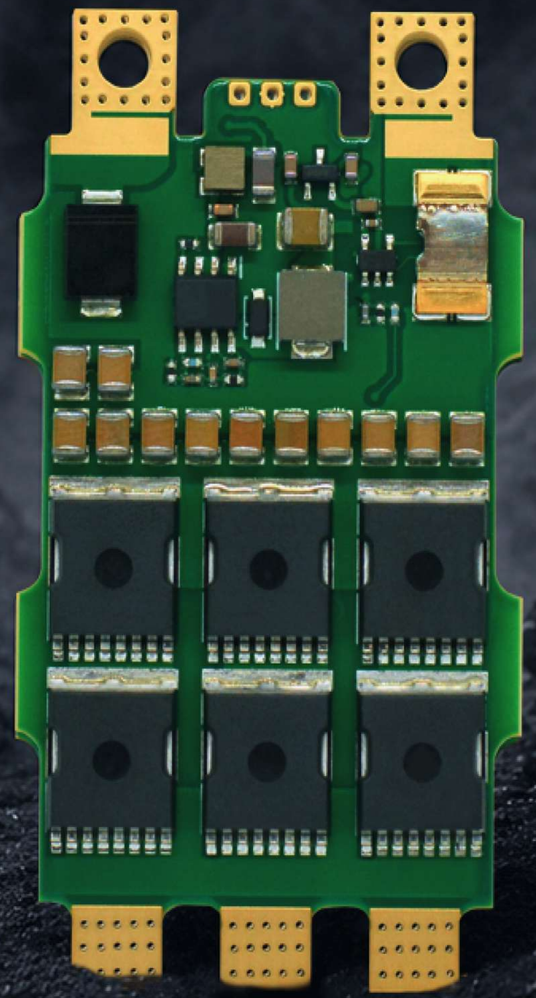
Peak current up to 120 A
Peak load up to 160 A

8-layer PCB
Efficient cooling and reliability

Capacitor array
Double-sided placement for stable voltage

Support for 12S 4–12S
Operation with 15–53 V power supply

MIL-STD-810 reliability
Resistance to shocks, vibrations, and temperature.



2890 UAH

ISM COMPONENTS

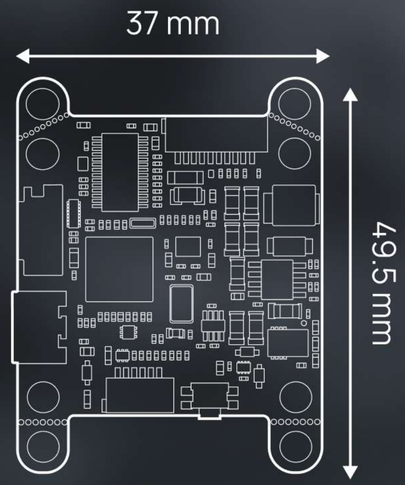
GUARANTEED AVAILABILITY UPON ORDER

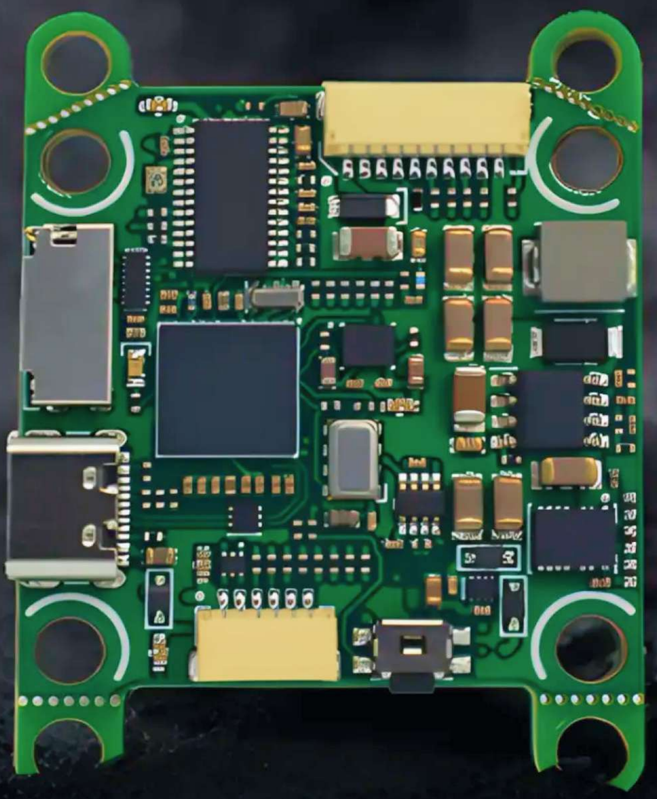
MADE IN UKRAINE 🇺🇦

AMELIA
FC H7-LITE 4–12S
FLIGHT CONTROLLER

Technical Specifications

Power supply	4–12S / up to 54 V+
Processor	480 MHz
IMU	ICM-42688-P
Barometer	MS5611
OSD	AT7456E
PWM outputs	8
BEC	12 V / 3 A
Dimensions	37 × 49.5 mm





12S **Power supply 5S–12S**
Support up to 12S without BEC

Ultra-thin board
Ultra-thin case for compact builds

Reinforced case
Reliable and compact module for UAVs

UART/CAN support
Compatibility with complex UAVs

Soldering + Plug-and-Play
Duplicated pads for flexible mounting

3650 UAH

ISM COMPONENTS

GUARANTEED AVAILABILITY UPON ORDER

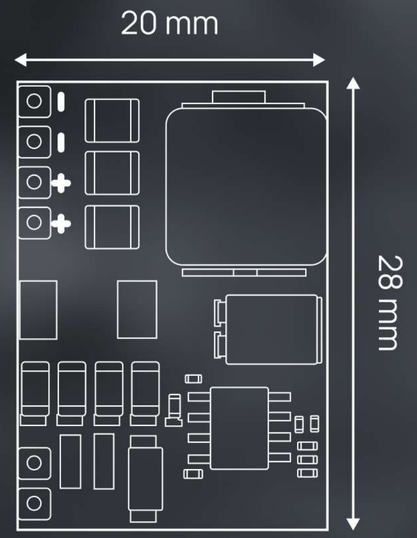
MADE IN UKRAINE 🇺🇦

AMELIA
BEC B5A12S

DC-DC POWER CONVERTER 6–55V 5A

Technical Specifications

Input	6–55 V / 2S–12S
Output	5 V / 12 V
Continuous current	up to 3.5 A
Peak current	up to 5 A
Efficiency	88–96%
Temperature	–20°C...+49°C
Dimensions	20 × 28 × 5 mm
Weight	≈ 5 g



input 6–55 v
Stable operation over a wide voltage range

Efficiency up to 96%
Maximum efficiency with minimal heating

Reinforced case
Reliable and compact module for UAVs



650 UAH

USE CASES

FPV DRONES \ ANTI-AIRCRAFT INTERCEPTORS \
FIXED-WING UAVS \ HEXACOPTERS







PLATFORMS



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RELIABLE ELECTRONIC COMPONENTS
FOR CRITICALLY IMPORTANT SYSTEMS

TRUSTED BY INNOVATORS
TESTED AND VERIFIED
TECHNICAL SUPPORT AND CONSULTATIONS

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