OXR-B20

SELF-DEPLOYING INTELLIGENT RESCUE BOAT

DEPLOY. INFLATE. RESCUE.

Ready When Every Second Counts.

RAPID DEPLOYMENT. POWERED WATER RESCUE.

The OXR-B20 combines compact transport, automatic inflation and powered water-surface operation in a single rescue platform.

Designed for rapid response to water emergencies, it can be deployed from shore or vessel, automatically inflated, remotely operated to the casualty, and used as a powered rescue platform to bring people toward safety.



AUTO DEPLOYMENT
≤ 30 SEC
Automatic inflation and deployment on water or land.

HIGH BUOYANCY
≥ 250 KG
Provides a stable rescue platform for multiple casualties.

POWERED RESCUE
≥ 5 M/S
Rapid water-surface response without load.

LONG-RANGE CONTROL
≥ 1,500 M
Remote operation for extended rescue missions.

EXTENDED OPERATION
≥ 60 MIN
Long-duration battery-powered operation.

BUILT FOR MULTIPLE RESCUE SCENARIOS


FLOOD RESCUE


RIVER RESCUE

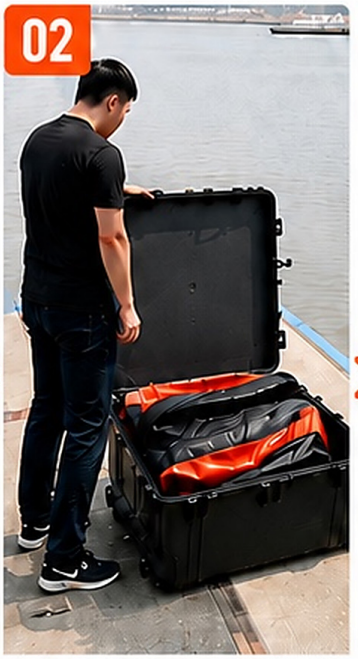

COASTAL RESCUE

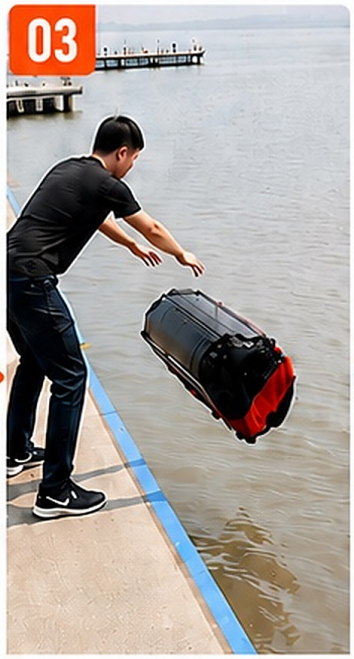

MARITIME EMERGENCY

AUTOMATIC DEPLOYMENT IN SECONDS

From case to fully deployed and ready to rescue









TRANSPORT

COMPACT & PORTABLE

Compact storage allows the OXR-B20 to be transported rapidly to the rescue site.

OPEN CASE

READY FOR DEPLOYMENT

Open the rugged transport case and prepare the folded rescue boat for deployment.

THROW INTO WATER

RAPID WATER ENTRY

Throw the compact rescue boat into the water. The deployment sequence activates automatically.

AUTOMATIC INFLATION

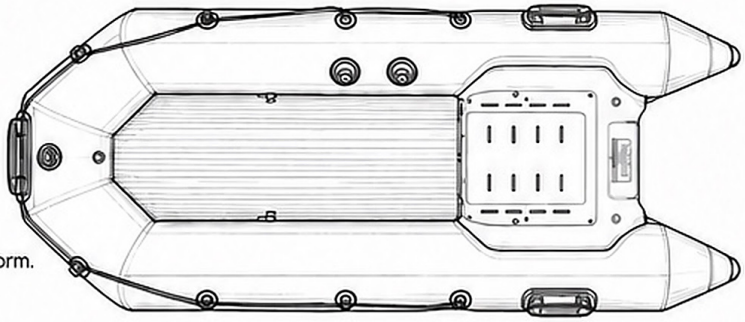
READY TO RESCUE

The rescue boat automatically inflates and becomes ready for immediate operation.

≤ 30 SEC

AUTOMATIC DEPLOYMENT

From compact transport case to operational rescue platform.



COMPACT TRANSPORT

Easy to carry and store.

AUTOMATIC INFLATION

Land or water deployment.

RAPID RESPONSE

Ready in ≤ 30 seconds.

SIMPLIFIED DEPLOYMENT

Minimal preparation required.

INTELLIGENT RESCUE. FULL CONTROL.

Dual-mode control for safer, faster and more effective rescues.



REMOTE OPERATION

Operate the rescue boat remotely from shore to rapidly reach casualties without immediately exposing rescuers to the water.

ONBOARD OPERATION

Control can be transferred to the onboard controller when rescue personnel operate directly from the craft.

SMART NAVIGATION

ONE-KEY RETURN

Rapid return to the designated home position.

AUTO RETURN

Automatic return upon communication loss.

BDS POSITIONING

Integrated BeiDou satellite positioning system.

POINT-TO-POINT COMMUNICATION

Reliable communication with enhanced interference resistance.

REMOTE CONTROLLER



ONE-HAND OPERATION

Ergonomic design with 360° joystick for precise control.

OUTDOOR DISPLAY

Real-time information display:

- Battery
- Heading
- Distance
- Speed
- Operating Status

≥ 2 HOURS

CONTROLLER OPERATING TIME

Long-lasting power for extended rescue missions.

WIRELESS CHARGING

No exposed charging port. Safer and more reliable in harsh environments.

≥5 M/S

UNLOADED SPEED

High-speed response for rapid water rescue.

≥2 M/S

WITH 2 PERSONS

Stable performance with rescue load.

≥1,500 M

CONTROL RANGE

Long-range remote control for extended operations.

BUILT FOR DEMANDING WATER RESCUE.

Robust design. Proven performance. Mission ready.

PRODUCT OVERVIEW



DURABLE PVC COMPOSITE HULL

Excellent airtightness, abrasion resistance and durability.

MULTIPLE GRAB POINTS

Fixed handles and grab lines allow casualties to securely hold onto the craft.



INTEGRATED PROPULSION

Powerful propulsion system enables rapid manoeuvring and efficient rescue.

MAGNETIC MAIN SWITCH

Water-resistant magnetic design for improved safety and reliability.

REPLACEABLE BATTERY SYSTEM

Rapid battery replacement keeps the boat ready for continuous missions.

POWER FOR EXTENDED RESCUE

45 Ah

BATTERY CAPACITY

High-capacity lithium battery ensures reliable power.

≥ 60 MIN

OPERATING TIME

Long-duration operation for extended rescue missions.

≤ 180 SEC

RAPID BATTERY REPLACEMENT

Tool-free battery swap allows fast return to service.

TECHNICAL SPECIFICATIONS

SPECIFICATION	OXR-B20
Configuration	Self-Deploying Intelligent Rescue Boat
Dimensions (L×W×H)	2200 (±150) × 860 (±50) × 380 (±50) mm
Weight	≤ 40 kg
Maximum Buoyancy	≥ 250 kg
Speed – Unloaded	≥ 5 m/s
Speed – With 2 Persons	≥ 2 m/s
Automatic Deployment	≤ 30 sec
Remote-Control Range	≥ 1,500 m
Operating Time	≥ 60 min
Battery Capacity	45 Ah
Controller Operating Time	≥ 2 h
Positioning System	BeiDou Navigation System
Control Modes	Remote Control + Onboard Control
Battery Replacement Time	≤ 180 sec

SAFETY & DURABILITY

3 M DROP RESISTANCE

The boat remains operational following a 3 m free drop onto the water surface.



>20 MΩ ELECTRICAL INSULATION

Insulation resistance between specified propulsion and battery protection components.



ENVIRONMENT TESTED

Designed to remain operational following high-temperature, low-temperature and vibration testing.



≥ 5 M/S

UNLOADED SPEED

High-speed response for rapid water rescue.

≥ 2 M/S

WITH 2 PERSONS

Stable performance with rescue load.

≥ 1,500 M

CONTROL RANGE

Long-range remote control for extended operations.

Distributed by

FRONTLINE VISION

SECURE YOUR FUTURE