**CETIG · 华巽云科技投资控股集团** | 产品规格说明书 / Product Specification



# 水面救援机器人 HXY-S-03

## Surface Rescue Robot HXY-S-03

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| 型号 SKU | HXY-S-03 |
| 产品类别 | 水面救援装备 / Surface Rescue Equipment |
| 文档版本 | V1.0 · 2026-10 |
| 语言 | 中文 / English（双语） |

## 1. 产品概述 Product Overview

水面救援机器人 HXY-S-03 是一款面向江河、湖泊、水库、海岸等水域场景的智能水面救援装备。设备采用一体化成型的 U 型双推进器浮体结构，救援人员可在岸上或船舶上远程操控，快速抵达落水人员身边，为其提供浮力支撑并拖带回安全区域，从而显著降低救援人员自身风险。

The HXY-S-03 surface rescue robot is an intelligent water rescue platform designed for rivers, lakes, reservoirs and coastal waters. Built on a one-piece U-shaped twin-thruster hull, it is remotely operated from the shore or from a vessel, reaching a person in the water within seconds, providing buoyancy and towing them back to safety.

整机具备 IP67 防护等级，可在恶劣海况下稳定作业；配备磁吸开关、信号灯、示位灯与把手索，便于夜间搜寻与多人协同施救。遥控器轻巧便携、单手可控。

With an IP67 protection rating, the unit operates reliably in rough sea states. Magnetic switch, signal and position lights and grab lines make night-time searching and multi-person rescue easier.

## 2. 核心特点 Key Features

- **遥控距离**：数据链路最远 1500 m，搜救数据更丰富
  **Control range**: up to 1,500 m data link for richer SAR data
- **救援深度**：支持 30 m 深投入水
  **Rescue depth**: supports 30 m launches
- **强劲动力**：最高速度约 7 m/s
  **Powerful propulsion**: up to approx. 7 m/s
- **磁吸开关**：提高可靠性与使用寿命
  **Magnetic switch**: higher reliability and service life
- **一键翻转**：入水后一键翻转至正面
  **One-touch self-righting**: flips upright on contact with water
- **自动返航**：支持失联 / 一键返航
  **Auto-return**: on signal loss or manual trigger

## 3. 技术规格 Technical Specifications

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| 产品尺寸<br>Dimensions | **102 × 72 × 27 cm** |
| 产品重量 | **17 Kg** |

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| Weight | |
| 空载速度<br>No-load speed | **> 6 m/s** |
| 负载速度<br>Loaded speed | **⩾ 2 m/s** |
| 额定功率<br>Rated power | **1200 W × 2** |
| 电池容量<br>Battery capacity | **26 Ah** |
| 续航时间<br>Endurance | **60 min** |
| 提供浮力<br>Buoyancy | **40 kg** |
| 遥控距离<br>Control range | **1200 m** |
| 定位精度<br>Positioning accuracy | **2 m** |
| 防水等级<br>Waterproof rating | **IP67** |
| 遥控器重量<br>Controller weight | **220 g** |
| 遥控器尺寸<br>Controller size | **19.1 × 6.2 × 4.2 cm** |
| 遥控器电压<br>Controller voltage | **3.7 V** |
| 遥控器充电时间<br>Controller charging time | **2 h** |

## 4. 应用场景 Applications

- 江河、湖泊、水库等内陆水域的人员落水救援与物资投送
  Man-overboard rescue and payload delivery in rivers, lakes and reservoirs
- 近海、海岸线、港口与码头的巡逻值守与应急处置
  Patrol, standby and emergency response along coasts, harbours and piers
- 洪涝灾害、城市内涝等水域险情的快速抵近侦察
  Rapid close-range reconnaissance during floods and urban inundation
- 应急管理、海事、消防救援队伍的常态化训练与实战配备
  Routine training and operational deployment for emergency, maritime and fire rescue teams

## 5. 包装与交付 Packaging & Delivery

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| 包装方式<br>Packing | **采用瓦楞纸箱（或按需求木箱）包装，内衬防震材料，适配长途海运与空运。** |

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| | **Packed in corrugated cartons (or wooden cases on request) with shock-absorbing lining, suitable for long-distance sea and air freight.** |
| 交付内容<br>Delivery Contents | **主机 / 整套装备、标准配件、中文与英文说明书、合格证、保修卡。**<br>**Main unit / complete set, standard accessories, Chinese and English manuals, certificate of conformity and warranty card.** |
| 定制服务<br>Customisation | **支持 OEM / ODM、标识定制、包装定制与说明书本地化，可按项目需求配置。**<br>**OEM / ODM, logo and packaging customisation and manual localisation are available to project requirements.** |
| 质保与售后<br>Warranty & Service | **整机质保 12 个月（易损件除外），提供远程技术支持与备件供应。**<br>**12-month warranty for the main unit (consumable parts excluded), with remote technical support and spare-part supply.** |
| 认证文件<br>Certification | **可按需要提供现有认证及检测报告文件，具体以实际获证情况为准。**<br>**Existing certificates and test reports can be provided on request; actual certification status prevails.** |

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