

# 6 METER S3-HP S3 - HIGH PERFORMANCE

CYBER-HARDENED HIGH-PERFORMANCE  
USV FOR ASYMMETRIC DOMINANCE

The S3-High Performance (S3-HP) is a modular, high-endurance Unmanned Surface Vehicle (USV) built on the proven S3 platform. It features a rugged aluminum hull, either a 250HP Yanmar diesel or 310HP Indmar gasoline engine, water-jet propulsion (Hill Jet or Thrust Master), and a Seakeeper 1 stabilizer. Designed for agile, high-speed missions, the S3-HP offers a 500 NM range and 4-day endurance at 5 knots. It integrates advanced ISR, plug-and-play C2, and complies with NATO STANAG 4586 and JAUS protocols and is available fully assembled or as a kit.



LENGTH	BEAM	DEPTH	SPEED	RANGE
16.95 ft. (5.16m)	5.53 ft. (1.68m)	3.2 ft. (0.98m)	35+ knots	500 NM



6 METER S3-HP

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## SPECIFICATIONS



### CHARACTERISTICS

- **Length:** 16.95 ft. (5.16m)
- **Beam:** 5.53 ft. (1.68m)
- **Depth:** 3.2 ft.(0.98m)
- **Draft (Full Load):** 1.5 ft. (0.45m)
- **Range:** 500 NM
- **Speed (Max):** 35+ knots
- **Light Ship Weight:** 0.76 LT
- **Endurance @ 5 knots:** 4 days
- **Fuel Capacity:** 146.2 Gal (553.43 L)
- **Displacement (Full Load):** 1.48 LT

### ARMAMENTS

- **Payload:** Variable up to 350 lbs.
- **Gun:** Dillon Mini Gun (7.62mm)
- **Torpedo:** Twin tube LWT Mk 46

### ELECTRONICS

- **Radar:** Fruno Radar DRS4D
- **NAV:** Hemisohere Vector NAV GNSS
- **AIS:** Site X
- **Remote Control System:** GLENDENNG
- **Autonomous System:** Sea Machine SM300
- **GPS:** TE Connectivity [ANT-SH2-SMA]
- **Comms:** Starlink, Silvius Streamcaster Mime Radio (LITE 4200)
- **Camera:** FLIR Low-Light, HD-Night Vision [FLIR M364D]
- **Antenna:** L-COM [HG2406DPU], Shakespeare [5912]

### MACHINERY

- **Engine Power:** 250 HP / 310HP
- **Engine:** Yanmar 4LV250 Diesel Engine /Indmar [310HP] Gasoline Engine
- **Propulsion:** Hill Jet(Hi280)/ Thrust Master DJ100G

### OTHERS

- **Hull:** 5086 Marine Grade Aluminum
- **Sea-State (SS):** Operate/Survive (2-3)
- **Production:** Rapid Robotic Manufacturing Capability (15 Craft/Month using robotic welding)
- **Transportable:** Air, Sea, or Land
- **TRL:** 9 (Craft), and 7 (Technology)
- **Watertight:** Hull cannot sink unless intentionally scuttled
- **Stability:** Outriggers [prd/sttbd]

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Nations  
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