

12m Explorer Catamaran

Master Technical Specifications & Website Copy Reference

The 12m Explorer Cat represents the next tier of premium wide-beam aluminum sports catamarans. Engineered with extended deck infrastructure, broader stability, and specialized multi-toy transport capabilities, it bridges the gap between an aggressive blue-water dayboat and an offshore expedition platform. Showcasing our proprietary 2026 hydrodynamic configurations including an advanced reverse bow design, it delivers up to 20% greater hull driving efficiency and prolonged outboard longevity over conventional pontoon models.

1. HULL ARCHITECTURE & DIMENSIONS

This heavy-duty high-strength 5083 hull platform features an automated front beach-landing gate, integrated lower-deck storage lockers, and a specialized forward deck configuration optimized for driving off and on with trail-type motorbikes and heavy adventure toys directly at the shoreline.

Length Overall	12.00 meters
Beam / Width	3.30 meters (Expanded platform tracking)
Hull Material	Premium Marine-Grade Aluminum (High-Quality 5083 Grade)
Design Configuration	2026 Sleek Catamaran Hull Profile featuring integrated Wave Splitter engineering
Structural Framing	Fully welded under-skin plating with a reinforced Centre Nacelle architecture
Hydrodynamics & Lift	Radius stepped transom paired with full-length hull lifting strakes
Mooring Engineering	8 x Heavy-Duty Mooring Cleats standard (4 balanced symmetrically per side) plus dedicated rear side access door gates for flawless dockside/mooring entry
Tender Integration	Standard 1x set of integrated jet ski rails and a removable loading winch (engineered for a small 2-seater Sea-Doo Trax class personal watercraft or a small tinny boat)
Exterior Protection	Fully painted in high-durability Marine 2-Pac finish with wrapped unique curved hull side panels
Water Platform Access	Dual forward wheelchair-accessible side entry gates and an automatic push-button lowering rear swim/water boarding platform

2. PROPULSION, STEERING & DOCKING SYSTEMS

Standard Outboard Drive	Mercury 300HP Verado premium series outboard motors
Factory Performance Step-up	Optional extra-cost upgrade to high-performance Mercury 400R HP outboard motors
Alternative Brand Matching	Custom engineering configurations for Yamaha, Honda, or Suzuki outboards available upon request
Propulsion Warranty	Comprehensive 5-Year manufacturer warranty across all standard motor packages
Steering Mechanism	Multisteer hydraulic tilt helm system mated to an ergonomic Gussi Italia marine-grade steering wheel
Precision Docking Joystick	Mercury hand control joystick docking system available as an optional extra-cost upgrade path

3. FUEL, FRESH WATER & REFUELING STATIONS

Integrated Dual Fuel Systems: Massive 800-Liter total baseline fuel capacity split cleanly across two independent 400L hull-integrated tanks (one dedicated per engine). Features a factory upgrade path for an extra 200-liter auxiliary reserve tank. All fuel systems are constructed using premium Vetus fuel lines, water-fuel separation filters, and high-accuracy SIC Electronica level sensors.

Toy Refueling Station: Standard equipped toy refueling station built directly into the deck layout—perfect for topping up the onboard jet ski or tender while off-grid (Standard on 12m and Superfly ranges).

Fresh Water & Heating Suite: 200L fresh water baseline tank standard (upgradable to an underfloor 320L tank matrix), managed via a high-volume Xylem HD5 pressure pump and premium Vetus/Barka plumbing lines. Features an integrated stainless steel galley sink with a folding luxury mixer tap, a hot/cold transom shower, a Webasto continuous-flow 25L hot water heater, and plug-and-play compatibility with optional Tecnicomar watermaker units.

4. POWER DISTRIBUTION, SOLAR & ELECTRICAL ENGINEERING

Equipped with a comprehensive digital switching and high-draw charging infrastructure centered around advanced Mastervolt and CZone automation technology:

- **Lithium-Ion Storage:** Premium Mastervolt MLI Ultra Lithium batteries with advanced structural cooling safety features.
- **Solar Array:** Dual high-efficiency 1100W solar panels utilizing an intelligent back-to-battery charging layout.
- **Solar Charger:** Mastervolt SCM60 MPPT dedicated smart solar charge controller.
- **Dockside Charging:** Mastervolt ChargeMaster 12/100-3 unit natively tied into the onboard CZone networking interface.
- **Power Regulation:** Centralized distribution handled seamlessly via Mastervolt inverters and a Mastervolt DC500 distribution block.
- **Shore Power & Protection:** Heavy-duty 32A shore power inlet tracking, 2 x 240V internal AC power outlets, 6 x 12V USB charging ports, and total DC system protection through BEP marine-grade circuit breakers and fuse clusters.

5. HIGH-TECH NAVIGATIONAL HELM & CLOUD CONNECTIVITY

Flexible Command Layouts: Ergonomic helm command layout available in Right-Hand Drive (RHD), Left-Hand Drive (LHD), or a balanced Centre Console Helm configuration at no additional charge.

Simrad Navigation Electronics: Centered on an expanded, premium Simrad NSX 3012UW system featuring a massive 15" ultrawide HD multi-function display. Complete with integrated GPS, high-definition sonar, Wi-Fi, and an Active Imaging™ transducer. Navigational visibility is augmented via an integrated Simrad HALO20 dome radar, a dedicated high-gain GPS antenna, marine VHF radio, and a deep-water Airmar transducer.

Vessel Cloud Automation: Standard smartphone application connectivity allows users to remotely start/stop engines, control independent lighting zones, and review geofenced security metrics. Network infrastructure allows optional upgrade access to a localized cloud monitoring system managed by approved factory service managers for double-redundancy mechanical and digital safety. Optional upgrades include full YouTube Live streaming subscriptions and interactive online maintenance tracking.

6. COMMERCIAL GALLEY, AMENITIES & ENTERTAINMENT

- **Expanded 4-Burner Galley:** High-end meal preparation deck featuring scratch-resistant, easy-clean benchtops available in multiple custom colors. Standard equipped with a premium Kenyon 4-burner cooktop, an innovative flush bench-integrated rangehood, 2 x Indel Webasto fridge/freezer combination units with integrated matching fronts, a dedicated under-seat drinks drawer fridge, and an integrated ice-making unit. Mastervolt inverters supply uninterrupted 240V/Solar power to onboard coffee makers and high-draw culinary appliances. Walkways and under-bench zones are illuminated via signature blue soft-glow LED strips.
- **Rail-Mounted Electric BBQ:** High-performance electric grill attached firmly to the aft safety rails, configured with an expanding bench table top that extends localized culinary workspace by an extra 70%.
- **Lower Hull Bathroom Pod:** Accessed via a space-saving sliding door within the lower hull architecture. Features a fully enclosed private changing room, electric hot-water shower, marine toilet, basin vanity, and custom storage cabinetry. When closed, the structural top of the door frame converts into an extra food preparation surface protected by a 1" safety retaining rail.
- **Premium Marine Audio:** JL Audio M3 RGB LED acoustic marine speaker system (6 high-output speakers) run via high-grade JL marine cabling, managed through a MediaMaster MM55 receiver and a powerful XDM800/8 amplifier with native BEP electrical protection.

7. ACCOMMODATIONS, DECK LAYOUT & SHADING ARCHITECTURE

- **Multi-Passenger Berth Capabilities:** Offers a spacious 6-person accommodation baseline configuration standard. Features an optional extra-cost upgrade path to expand sleeping berths for up to 10 people on board (Note: internal layout/radar relocation adjustments may apply depending on hardtop configurations). Includes an overhead 2-person double-bed camper tent module on the hardtop roof, complete with a heavy-duty marine-grade aluminum ladder.
- **Rooftop Storage Racks:** Standard kayak and storage racking assemblies outfitted with integrated rollers flanking both sides of the hardtop roof camper capsule.
- **Convertible Bow Lounge:** Features a contemporary lowering dining table finished in a clear-grain natural timber top. Standard cushion package converts the lowered table space into a wide forward daybed. Optional forward waterproof canvas covers can be tailored to owner specifications.
- **Floor-Integrated Toy Tie-Downs:** Equipped with heavy-duty structural floor holding lugs in the front bow area alongside premium 316 stainless steel deck tie-down lugs welded straight into the bow deck structure to secure trail bikes, ATVs, or expedition gear.

- **Aft Deck Safety Rails:** Symmetrically painted, ultra-low-maintenance 5083 marine-grade 2" safety handrails (eliminates regular stainless polishing). Features quick-clip safety perimeter ropes, a built-in bait-cutting station, and 4 x integrated rod mounts per side.
- **All-Weather Shading:** Standard manual forward awning driven by high-strength support poles (AMC carbon fiber poles available as a premium wind-zone option). The rear deck is covered via a SureShade RTX 4.5ft electric retractable awning utilizing high-performance, UV-stabilized Citel solution-dyed acrylic marine fabrics, certified to remain fully extended at cruising speeds up to 8 knots. Includes strategically placed Mate Series combined angled rod/cup holders.
- **Premium Floor & Accents:** Fitted throughout with premium non-skid SeaDek marine flooring for simple washdowns. Custom color options and precision logo engraving are standard. (Synthetic teak options available upon request).
- **Upholstery Trim & Storage:** Ergonomic helm and passenger seating configurations featuring modern custom stitching and hidden large under-cushion storage lockers. Every seat features personalized embroidery, matching color trims, and the boat's name laser-engraved directly into the fabric trim.

8. ANCHOR ARRAYS, BILGE INFRASTRUCTURE & ON-BOARD SAFETY

Anchoring Assembly	Helm-controlled, auto-deploying Savwinch 2000SS 12V automatic drum winch package, paired with an H2Pro stainless steel Delta anchor, 140 meters of high-tensile anchor rope, 8 meters of calibrated chain, and an anti-tangle swivel layout.
Bilge & Sump Infrastructure	8 x High-volume automatic bilge pumps equipped with independent float switches distributed across both hulls (Standard baseline for hulls 12m and above) working in conjunction with a Jabsco multi-port grey-water sump system.
Sports Fishing Storage	1 x Integrated live bait well tank built standard into the starboard aft deck quadrant (Upgradable to a dual/twin bait tank setup at extra cost). Built-in insulated fish floor storage boxes integrated directly into the forward bow and aft hull floor compartments.
Regulatory Safety Package	Two commercial-grade handheld fire extinguishers supplied by Fire Boy and Plastimo, paired with a full complement of regulation-compliant life jackets customized to match the boat's chosen passenger configuration.
Advanced Marine Lighting	Interior and exterior zoning illuminated via Casolux soft-tone LEDs and Lumishore Eclipse blue LED walkway strips. High-intensity floodlighting from Vision X paired with Attwood and SIC Elettronica navigation lighting. Dual rear-allocated Lumishore underwater RGBW lights feature full integration with the Simrad multi-function displays for music-synced tracking via the Lumishore Eclipse Command Center.

9. PREMIUM OPTIONAL UPGRADES MATRIX

- **Twin Live Bait Wells:** Expandable to a dual/twin live bait tank layout at the transom.
- **Under-Bench Kegerator Pack:** A heavy-duty 188-Liter dual-tap under-bench beverage Kegerator designed to lower out of sight beneath the galley workspace at extra cost.
- **AMC Carbon Fiber Poles:** Upgrade path to ultra-high strength carbon fiber forward awning poles for structural wind tolerance.

- **Docking Bow Thrusters:** Precision helm-controlled bow thrusters can be custom integrated into the 12m catamaran hulls to enhance close-quarters harbor maneuvering.
- **Operable Manual Sunroofs:** Dual 450mm square manual opening hardtop sunroofs can be integrated into open cabin configurations (Available only if rooftop accommodation camper tents are omitted from the layout).
- **Stabilized Satellite Entertainment:** Marine-grade stabilized Satellite TV multi-channel receiver dish configurations.
- **Vessel Paint Protection & Covers:** Premium ceramic hull paint protection coatings paired with custom-fit zip-and-clip marine mooring covers made to order.
- **Expanded Underwater Lighting:** Upgradable to an advanced 3-light layout flanking each hull side at extra cost.

TRUSTED GLOBAL MARINE COMPONENT PARTNERS

Simrad

Mastervolt

JL Audio

Webasto

Vetus

Tecnicomar

SureShade

Lumishore

Kenyon

Indel Webasto

Savwinch

Plastimo

ROCA

Gussi Italia

Multisteer

SeaDek

Citel

Mercury Marine