

Sustainable Power Cruising

SPC 1045.26 SOLAR CATAMARAN



all4solar
 electric boat engines & solar power

SYAS Performance

Streamline
 catamarans

aquawatt

1-DIMENSIONS

| | | |
|---------------|------------|-------|
| ◆L.O.A. | 10 meter | 33' |
| ◆Beam | 4.50 meter | 15' |
| ◆Draft | 0.45 meter | 1' 5" |
| ◆Height | 3.2 meter | 10' |
| ◆Cabin Height | 1.95 meter | 6" |
| ◆Displacement | 3000 kg | |

2-ENGINES

- ◆Internal twin aquawatt advanced induction out-board engine systems with 13 KW output each.
- ◆Vertical electric engine lifts.
- ◆Programmable AC Curtis controllers.
- ◆Electric or cable steering system.
- ◆Joy stick steering and speed control in cockpit.

3-SOLAR SYSTEM

- ◆16 x 200 watt mono crystalline solar panels with 3.2 mm glass and aluminium frame on roof & deck.
- ◆4 x 1000 watts | 48 volts DC MPPT solar charge controller.

4-BATTERY

- ◆4 x 16 cell 200 Ah 51.2 Volts LiFePo 4 (Lithium Iron) battery packs with digital BMS (battery management system). 41 KW h total capacity.
- ◆Digital power monitoring system.
- ◆4 x 10 A 48 V lithium battery charger (240 V AC).

5-GENERATOR

- ◆Portable 2 KVA petrol generator for backup battery charge function. ●
- ◆1 x 5 KVA diesel generator available. ●

6-ELECTRIC SYSTEM

- ◆Two DCDC converters 48 V DC to 12 V DC 10 A.
- ◆One 3 KW inverter 48 V DC to 240 V AC.
- ◆Two main electric panels with switches and circuit breakers.
- ◆LED panel for system monitoring.

- ◆Android based tablet for power monitoring and battery management system.
- ◆Marine air-conditioning system 2 KW in main saloon. ●
- ◆4 air ventilators & 4 automatic bilge pumps.
- ◆LED indirect light system.

7-INSTRUMENTS

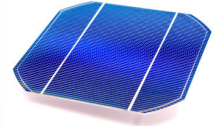
- ◆Chart plotter with GPS antenna. ●
- ◆VHF radio with antenna. ●
- ◆Radar system. ●
- ◆Sound system control unit. ●
- ◆Depth sensor.
- ◆Power monitoring displays.
- ◆Engine displays.

8-HULL STRUCTURE

- ◆ATL | Airex high density core foam sandwich panel construction. Vacuum laminated.
- ◆Four sealed compartments. Full self buoyant.
- ◆Reinforced bulkhead structure.
- ◆Integrated lifting points and 4 mooring cleats.
- ◆Highly efficient design.
- ◆Outside, deck and wet interior rooms in white gel coat finish.
- ◆Antifouling.

9-EXTERIOR & DECK

- ◆Stainless steel railing.
- ◆Stainless steel flag pole. ●
- ◆Open windows port and starboard saloon.
- ◆Large cockpit windows with tempered safety glass.
- ◆Sliding glass door from deck to saloon.
- ◆8 stainless steel portholes open.
- ◆Stainless steel anchor with electric winch.
- ◆Non-skid surface on stairs and deck.
- ◆Two side deck seats and one rear lounge with vinyl cushions.
- ◆Transom shower.
- ◆Indirect LED lights on deck and walk areas.
- ◆Position lights.



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10-SALOON

- ◆ Lounge with vinyl cushion.
- ◆ Table.
- ◆ LED TV.
- ◆ Indirect LED lights.
- ◆ Sound system | speakers.
- ◆ Vinyl wall & ceiling liner.

11-GALLEY

- ◆ Corian counter top and splash back.
- ◆ Electric 2 burner.
- ◆ Range hood. ●
- ◆ Dishwasher. ●
- ◆ Sink with hot & cold water.
- ◆ Refrigerator.
- ◆ Microwave. ●
- ◆ Cutlery drawers.
- ◆ Trash drawer.

12-CABIN 1

- ◆ Queen size bed.
- ◆ LED TV & speaker system. ●
- ◆ LED lights & reading lights.
- ◆ Cabinets.
- ◆ Vinyl wall & ceiling liner.

13-CABIN 2

- ◆ Queen size bed.
- ◆ LED TV & speaker system. ●
- ◆ LED lights & reading lights.
- ◆ Cabinets.
- ◆ Vinyl wall & ceiling liner.

14-SHOWER

- ◆ Walk in shower.
- ◆ Hot & cold water.
- ◆ Gel coat finish.

15-TOILET

- ◆ Separate toilet room with door.
- ◆ Double basin with mirror and cabinets.
- ◆ Hot & cold water.
- ◆ Gel coat finish.

16-VARIOUS

- ◆ Non skid floors.
- ◆ Vinyl wall & ceiling liner or gel coat finish in all rooms.
- ◆ 6 x Power points 240 V AC | 12 V DC
- ◆ 300 watt wind generator. ●
- ◆ Water maker incl. DCDC converter. ●
- ◆ Basic Safety gear. ●
- ◆ Fire extinguisher (1 included).
- ◆ Life vests (2 included).
- ◆ Beacon. ●
- ◆ 4 fenders.
- ◆ 2 x 10 meter polyester rope.
- ◆ Android tablet.
- ◆ Full documentation in PDF installed on Android Device & printed version.

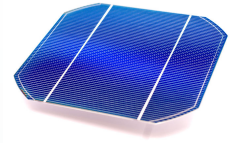
17-PERFORMANCE

| | |
|-------------------------|--------------------------|
| ◆ Passengers | max. 8 |
| ◆ Sleeping | 4 to 6 |
| ◆ Payload | max. 600 kg |
| ◆ Solar charge capacity | 16 KW per day (full sun) |
| ◆ Maximum speed | 16 knots* |
| ◆ Run time at 6 knots* | max. 84 nmi 155 km |
| ◆ Run time at 8 knots* | max. 68 nmi 125 km |
| ◆ Run time at 12 knots* | max. 45 nmi 83 km |
| ◆ Run time at 16 knots* | max. 26 nmi 47 km |

*Full sunshine, no head wind or current, 2 passengers

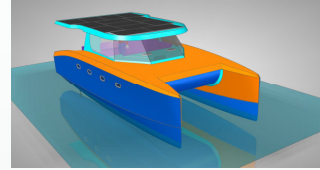
18-MANUFACTURING

These boats are designed and manufactured to highest standards by all4solar, SYAS Performance and Streamline Catamarans in Australia.



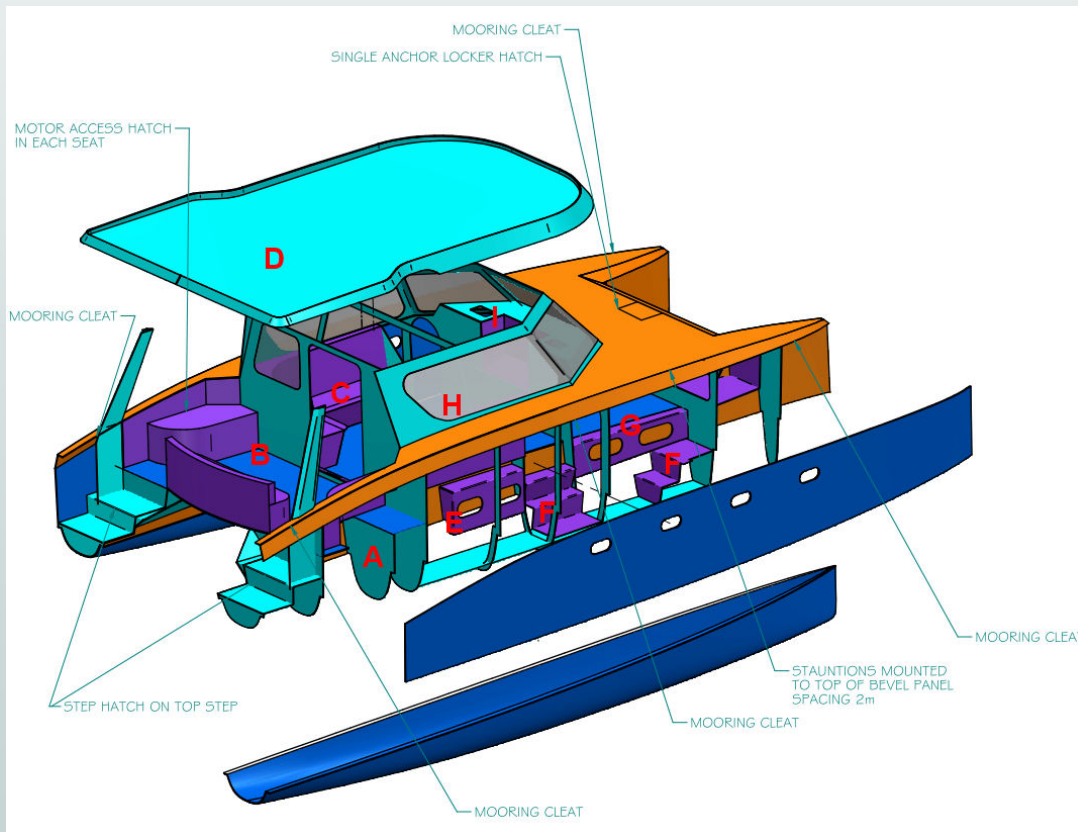
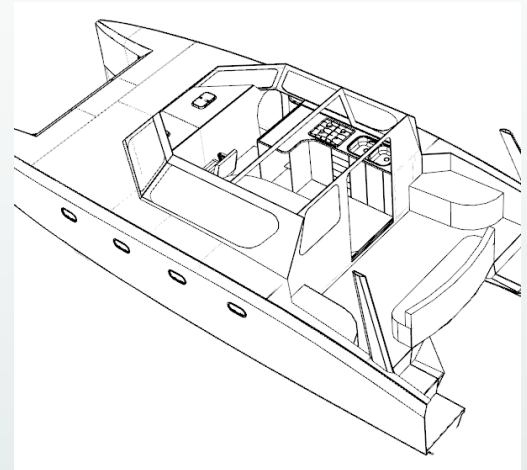
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19-LAYOUT

- A** Engines
- B** Deck
- C** Sliding door to saloon
- D** Solar roof
- E** Toilet (starboard) | Shower (port) Optional: Bunk beds
- F** Battery compartments
- G** Cabin (1 & 2)
- H** Tempered glass | sides to open | Galley
- I** Cockpit



| | |
|-------|---------|
| 17 V | 23 °C |
| 39 A | 0 Wh/km |
| 643 W | 0 km |

