



Technical Specifications:

SUNPOWER SOLAR-E SAIL 72



Technical Data

Length Overall:	22,25 m
Length of waterline:	21,28 m
Beam:	5,70 m
Draft:	3,00 m
Ballast:	10,680kg
Displacement:	32,500kg
Electric Propulsion:	135 kW
Battery capacity:	124 kWh
Fresh Water:	1000 L
Hot water:	2x 50 L
Blackwater Tank:	2x 200 L
Diesel Tank for Genset:	1000 L
Generator:	20 kW, DC
Photovoltaic:	4,8kWp
Shore Power:	3 kVA 230 V
Air-conditioning:	50,000 BTU

Mainsail:	129m ²
Self-tacking Jib:	87 m ²
Genoa (optional):	122m ²
Gennaker:	305m ²

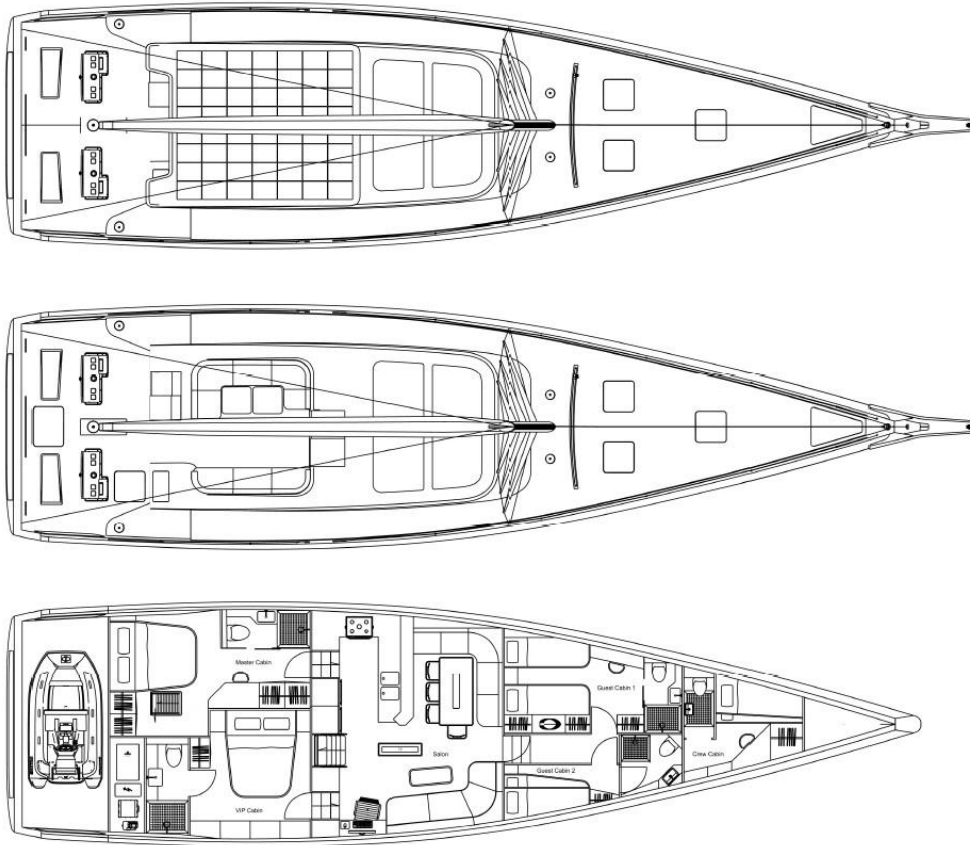
Up to 12 Persons + crew

Classification: Europe, CE (Category A) , Swiss Lloyd

Design: Sunpower Yachts International Pty Ltd

Naval Sunpower Yachts International Pty Ltd
architecture:

Layout



Standard Specification

CONSTRUCTION

- The hull and structural bulkheads made of vacuum infused sandwich GRP and are carbon fibre reinforced
- Non-structural bulkheads are made of vacuum infused core sandwich
- Carbon fibre reinforcements on hull as well as on every bulkhead area that need extra strength
- Watertight bulkheads forward and aft. Bulkheads are laminated and/or bonded to hull and deck
- The Deck made of composite GRP with Carbon reinforcement
- The entire structure is certified by Swiss Lloyd classification society
- White paint finish on the hull, white finish on the deck (waterline colour to be specified with order)
- Main deck is laid with artificial teak or with modified wood
- Cockpit floor and seats are laid with modified wood or artificial teak
- Keel fitted to the hull with stainless steel bolts
- Twin-hanging rudders with vacuum infused rudder blades, stainless steel rudderstocks
- Push rods on rudder-quadrant
- Opening transom /swim platform giving access to tender garage
- Photovoltaic panels with 4,9 kWp over guest cockpit, saloon roof and helm station

DECK HARDWARE

- Fixed anchor davit, electrical windlass, stainless-steel anchor, and chain (60 m, 14 mm)
- Stainless steel push pits and pulpit
- LED navigation lights.
- Double Dyneema lifelines, opening gate in lifeline each side.
- 8 stainless steel mooring cleats and 2 fairleads
- Stainless steel chainplates
- Self-tacking track for genoa or staysail
- Harken (or similar) genoa sheet tracks and cars
- Recessed companionway sprayhood
- Harken (or similar) turning blocks
- Jammers
- 2 x Harken (or similar) electric primary winches in cockpit
- 2 x Harken (or similar) multipurpose winches in cockpit (optional)
- 1 x Harken (or similar) electric mainsail winch in cockpit
- 2 x Harken (or similar) halyards and reef winches on deck at mast step, the starboard winch being electric.
- 2 x steering wheels with hand sewn leather covers (Carbon optional)
- Compass on each steering pedestal
- 2 x helmsman seats with console for navigation instruments, propulsion control, and bow thruster control.
- 5 flush deck hatches
- 1 flush hatch at cockpit benche (access to aft cabin).
- 2 x accesses to lazarettes from the cockpit
- 1 x access to garage from the cockpit
- 2 x accesses to life raft lockers from cockpit
- Cockpit table (option to convert it into a sunbathing area)
- Space for optional fridge and outdoor grill
- Hot and cold shower on swimming platform

FOREPEAK

- The sail locker (forepeak) is large enough to accommodate spare Sails
- Large deck hatch (with exterior lock), stainless-steel ladder.
- The equipment includes:
- Lights
- Handrails
- Lines attachment points

TENDER GARAGE

The tender garage is accessible from the transom when opened and from a deck hatch located in the cockpit.

The garage can accommodate a 3.25 m electric outboard or jet tender with standard or electric propulsion.

- Dedicated system to help getting the tender in and out of the garage
- The large hydraulic aft platform spread to the sea and then serve as launching ramp.

- Tender inflating electric pump. (Optional)
- Self-draining garage, with natural ventilation

LAZARETTES

- There is one lazarette on port and one on starboard.
- Access from cockpit or from tender garage
- Several attachment points.
- Electric bilge pump
- Access to steering mechanism and autopilot
- Light top coat finish
- Stainless steel swim ladder with teak steps integrated fixation points in the platform.

SPARS AND RIGGING

- Silver anodized- black or painted aluminium mast, 3 sets of spreaders.
- (Carbon Mast and Boom available and recommended but Optional price)
- Stainless-steel Rod rigging (Optional price PBO rigging)
- Running rigg
- Hydraulic boom vang and backstay adjusters (two function unit in the cockpit)
- Deck lights and mooring light.
- Electric genoa and Jib furling system
- Windex

Propulsion

- Gearless electric motor with 135 kW
- Sound proofed engine compartment (extra density plate).
- Stainless steel shaft with trust bearing
- Folding 4-blade propeller
- Propulsion control panel on helm console

Navigation

- Navigational instruments:
- 2 x Touch Multifunction Display
- 2 x Tridata incl. repeaters (wind, echo, speed, temp.)
- Hydraulic Autopilot (autopilot-control, ACU computer, compass, GPS, rudder-sensor, hydr. pump and accessories)
- Flir 324CS stabilised Infrared Camera (option)
- Colour HD Radar
- VHF + AIS Package
- Satellite connection with "over-the-air" updates and troubleshooting

WATER

- 1000 litres fresh water in two stainless steel tanks, located in the middle of the boat.
- Greywater Tank: 2x 200 L
- Blackwater Tank: 2x 200 L

- Pressurized hot and cold-water system.
- 2x 50 l water heater on 230V
- Fresh water shore inlet
- Manual bilge pump
- Automatic bilge pumps
- Grey/Black water electric pumps

ELECTRICAL

- Electrical panel 12V / 24V / 230V
- Second Electrical panel 12V / 24V / 230V
- Shoreline 3 kW- 230 V
- 20 kVa DC generator with sound shield
- 400 V Batterie Li-Ion/NMC bank with 124 kWh capacity
- 24 V Batterie Li-Ion/NMC bank with 12 kWh capacity
- 400V -230 V / 7.000 W inverter
- Generator start battery
- 24V lighting throughout
- 12V & 230V electric & USB outlets

ACCOMMODATIONS

- Wood finishes: colored oak and lacquered areas, to be chosen among different ambiances
- Blinds on portholes
- Blinds and mosquito screens on all deck hatches
- Individual controlled Air Conditioning 50.000 Btu throughout the whole boat (optional 75.000 BTU)

COMPANIONWAY Main Salon

- Access to the saloon is through a sliding hatch and a sliding door
- Companionway wooden steps with recessed lighting
- Handrails

COMPANIONWAY Crew Area

- Access to the Crew Area is through an opening hatch.
- Companionway wooden steps with recessed lighting.
- Handrails.

ENGINE & TECHNICAL ROOM

- Underneath the saloon floor, the engine compartment is located at the most favourable place for the boat's balance
- Access by floor hatch
- Sound-insulated engine compartment
- Remote controlled and automatic fire extinguisher system.
- 230 V outlets and LED lights
- This compartment receives the main electric motor, the generator in its soundproof capsule, the air conditioning system, the water-maker, the water heater, pumps and filters & Batteries

SALOON

- The saloon hosts the navigation area, a convertible sofa, and a dining area
- Noticeably clear, the saloon enjoys a remarkable panoramic view to the outside
- Direct and indirect lighting are ensured via overhead and reading lights
- Night courtesy lights & 230 V/ USB outlets
- C-Zone Digital-Switching display
- Numerous lockers alongside the hull and behind the seat backs

Saloon Helm

Only by Version Deck Salon!

- Navigation and propulsion control
- 12 V & 230 V / USB outlets
- C-Zone Digital-Switching display

Lounge space (portside)

- Relaxing lounge, which can be converted into a guest bed
- Bar
- Wine fridge

Dining area (starboard)

- Large L-shaped settee
- Extending dining table for up to 10 Persons
- Niche for a lit painting and the optional TV on lift

GALLEY

- The galley is located portside .
- The galley is equipped with high-quality kitchen appliance for yachts.
- Ventilation and natural light via hatch and portholes
- Extraction hood
- Direct and indirect lighting above worktops
- Functional L shaped organization, next to the Crew seating area.
- Electrical distribution switchboard
- C-Zone Digital-Switching display
- The galley also includes:
 - Low and high stowage lockers,
 - Stone worktop
 - Double sink with single lever mixer tap,
 - Refuse bin under the sink
 - 4 burner electric stove and oven with potholder
 - Microwave oven
 - 202l capacity drawer front opening freezer (aft of galley),
 - 407l capacity drawer front opening fridge (front of galley)
 - Dishwasher

- Integrated full automated coffee-machine (optional)
- Waste compactor (optional)
- 230V/ USB outlets

OWNER'S CABIN

- The owner's cabin is located forward and offer the full beam of the yacht
- Light and ventilation via 2 fixed hull portholes and 2 opening deck hatches
- General lighting and reading lights
- Queen size bed 2.00m x 1.60m
- Drawers and wardrobes
- Bookshelves and lockers on forward bulkhead, with recess for TV
- 230V outlets
- The owner's cabin has a fully private en-suite toilet & rain shower:
 - Shower cabin lined with stone
 - 1 x opening deck hatch for light and ventilation,
 - Overhead light, and 2nd light close to mirror,
 - Gravity drain out to grey water holding tank,
 - Fresh water electric marine toilet with holding tank,
 - Washbasin with hot and cold water,
 - Bathroom cabinet with electric plug,
 - Mirror, heating towel holder

GUEST CABIN

- Double bed 2.00 m x 1.60m convertible into 2 single beds (optional)
- Drawers and wardrobes
- Light and ventilation via fixed hull porthole and opening deck hatch
- General lighting and reading lights
- Hanging locker on portside
- 230 V outlets
- The port guest cabin has a private en-suite toilet & rain shower:
 - Shower cabin lined with stone
 - Opening deck hatch for light and ventilation
 - Overhead light, and 2nd light close to mirror
 - Gravity drain out to grey water holding tank
 - Fresh water electric marine toilet with holding tank
 - Washbasin with hot and cold water
 - Bathroom cabinet with electric plug
 - Mirror

OWNERS OFFICE STARBOARD (only 3 cabin Layout)

- U-Desk with office chair
- 230 V/ USB outlets

- Navigation and ship info center
- C-Zone Digital-Switching display

STARBOARD GUEST CABIN (Front)

- Single bunk beds to starboard 2.00m long (only 4 cabin layout)
- Lower bed extendable to double bed, 2.00m x 1.40m
- Drawers and wardrobes
- Light and ventilation via fixed hull porthole and opening deck hatch.
- General lighting and reading lights
- Hanging locker to starboard
- 230 V/ USB outlet
- The starboard guest cabin has a private en-suite toilet & rain shower with a second access door for day toilet.
 - Shower cabin lined with stone
 - Opening deck hatch for light and ventilation
 - Overhead light, and 2nd light close to mirror
 - Automatic wastewater pumps out to grey water holding tank
 - Fresh water electric marine toilet with holding tank
 - Washbasin with hot and cold water
 - Bathroom cabinet with electric plug
 - Mirror

FRONT GUEST CABIN

- 2x single beds, 2.00 m long. Convertible into a double bed (optional)
- Light and ventilation via fixed hull porthole, opening portholes and opening hatch to cockpit.
- General lighting and reading lights
- Drawers and wardrobes
- Hanging locker on portside
- Lockers alongside
- 230 V/ USB outlet
- The aft port cabin has a private en-suite toilet & shower:
 - Shower cabin lined with stone
 - Overhead light, and 2nd light close to mirror
 - Automatic wastewater pumps out to grey water holding tank
 - Fresh water electric marine toilet with holding tank
 - Washbasin with hot and cold water
 - Bathroom cabinet with electric plug
 - Mirror

CREW CABIN

- Lateral single bunk beds to starboard, 2.05m long
- Drawers and wardrobes
- Light and ventilation via fixed hull porthole and opening deck hatch.
- General lighting and reading lights • Hanging locker to starboard
- Lockers.

- 230 V/ USB outlet

Crew Toilet and Shower

- The Crew has a toilet & shower and is located in the Crew Cabin.
 - Shower cabin lined with stone
 - Opening deck hatch for light and ventilation,
 - Overhead light, and 2nd light close to mirror,
 - Automatic wastewater pumps out to grey water holding tank,
 - Fresh water electric marine toilet with holding tank,
 - Washbasin with hot and cold water,
 - Bathroom cabinet with electric plug,
 - Mirror

DELIVERY

- Antifouling
- Mast stepping and tuning
- Launching
- Mooring kit
- Fuel
- Personalized boat training
- 2 days introduction of the yacht with sea trial

Delivery and extensive sailing from our shipyard to a Med-Sea marina with 2 Crew from Alva-Team -up to 3 weeks as an option.

All information are subject to change without notice !

SUNPOWER YACHTS INTERNATIONAL Pty Ltd | ACN: 645 611 061 | ABN: 54 663 500 552 |

| Phone 0479 149 736 | Inter +61 479 149 736 |
| PO Box 803 Broadbeach Qld 4218 Australia |
| Suite 5 / 46 Cavill Avenue, Surfers Paradise Qld 4217 |
| admin@sunpoweryachts.com.au | www.sunpoweryachts.com.au |

HEADQUARTERS

AUSTRALIA | GERMANY | EUROPE | DUBAI | USA | MONACO
GO TO CONTACT US AT SUNPOWER YACHTS