



solarwave yachts

## Solarwave 64

### Basic Specifications

## CONSTRUCTION:

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- Light weight bionic design with structurally integrated furniture and tanks
- Hull, superstructure, bulkheads, stringers and ring-frames all in Carbon-Epoxy composite with PVC structural foam for high stiffness and significant weight reduction
- Osmosis-free hull-shell by using high quality Epoxy-resins
- Bow, hull bottom and stern in solid laminate, reinforced for impact resistance
- Watertight bulkheads, sealed floor-sections and collision-compartments for ultimate safety
- Wherever possible the interior furniture is structural
- Carbon tube protecting the hull portlights
- Hull finished with polyacrylic urethane in white or any light color, bilges painted white
- Built as standard in accordance with CE regulations, other class requirements on request

## STEERING EQUIPMENT

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- 2 foam sandwich fiberglass rudder blades with stainless steel rudder shaft
- Epoxy rudder shaft tubes
- Self-aligning upper and lower bearings
- Electro-hydraulic steering mechanism

# PROPULSION - ENGINE AND GEARS

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- powerful electric motors (> 1.000 Nm) sufficient for a top-speed of more than 10 kts
- 2 manually optimized bronze propellers
- Engine controls and control panels at inside helm station and flybridge
- Access to engine- / technical-compartment via
  - Deck-hatches with stainless steel hinges
  - Lifiable stairs (gas-supported) - option
- Engine- / technical-compartments ventilation: natural aeration and forced extraction
- Generator- and technical compartments sound protected
- LED-light in each technical compartment
- Approx. 1.000 L fuel tank for range extender
- Equipment includes:
  - Filtration: pre-filter, water-separator and filter
  - Fuel cut-out remote control
  - Fuel filler, aeration
  - Electric reading gauges on chart table

# ENERGY PRODUCTION AND STORAGE

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- High-efficiency solar-panels for propulsion and household
- MPPT solar charge regulators
- Range-Extender – sufficient to supply e-motors and household if necessary
- Lithium Batteries – sufficient capacity for slow all night cruising
- 24 V service batteries
- Charger 10 kVA
- Inverter 10 kVA - sufficient for all household appliances
- Charge-, consumption- and capacity controls for all electric circuits

# ELECTRICITY

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- Fuses and interrupters for 12, 24 and 48 V DC and 230 V AC (US Version 110 V)
- All wiring with tin-coated copper of marine specification
- All cables labelled and numbered and mounted on DIN-rails
- All lights high quality LED
- Monitoring touch screen-controls lighting, battery level, fuel-, water- and blackwater- levels, navigation lights
- Shore-power connection with fuse

# PLUMBING

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- Sanitary fittings: Grohe
- All hoses and pipes are marine grade
- Fresh water:
  - 1.000 L fresh water tank (more as option)
  - Fresh water circuit including 2 water pumps (for redundancy)
  - potable-water outlet in the kitchen, incl. tank, waterpump, tap and filter-system
  - Warm-water circulation-system
  - 23 kW Webasto water-heater, boiler
  - 1 hand shower on stern platform (H/C)
  - Fresh water filler with error-proof inlet
- Watermaker > 2.000 L / day
- Waste water:  
2 x 400 L waste water tank (more as option), automatic pump and transom suction
- Drainage circuit:
  - Self-draining cockpit as per CE standards.
  - Automatically activated electric sump pump in each hull + manual override + water level alarm
  - Automatically activated electric engine compartment sump pump in each hull
- All pumping systems according CE regulations

# INTERIOR

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## ***Layout Versions***

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- VERSION 4: galley in saloon, 4 cabins with en-suite bathrooms, all bathrooms incl. sink, electric toilet and separate shower

Other optional variations:

- VERSION 5: galley in saloon, 4 VIP-cabins with en-suite bathrooms  
One skipper cabin and one skipper bathroom in the forepeaks
- VERSION 3: galley in saloon, 2 VIP-cabins with en-suite bathrooms in port hull, 1 large master-cabin and master-bathroom at starboard, large storage-room in the stb. forepeak
- Version 3 + 1: like Version 3 above with an additional crew-cabin with bathroom instead of the storage-room in the forepeak
- Saloon / Galley similar in all versions
- VERSION 3 "MASTER SALOON": large saloon with separate couch- and dining areas, large helm-position and office-desk, 3 VIP-cabins with en-suite bathrooms, separate crew-compartment with galley and skipper-cabin with en-suite bathroom in aft-port-hull

Other versions on request

## ***General Interior***

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- Headroom in the cabins, bathrooms and corridors: >2.10 m
- Headroom in the saloon / kitchen: 2.25 m
- Large portlights and deck-hatches in all cabins
- All furniture built in light weight honeycomb sandwich panels and laminated and varnished real wood veneers on both sides.
- Choice of veneers like Wengé, Palisander, Oak, Mahogany, Aniegre and others on request
- Choice of flooring in Mahogany, Teak or Amtico with openings insulated with Silorma
- Walls and ceilings covered with real wood, lacquered or vinyl leather-optic materials
- Fabric standard: Lorica / Alcantara – several colours of choice
- Lorica materials adapted to the marine environment:
  - Machine washable
  - Good UV resistance water- and stain- resistant treatment
  - Walls and ceilings lacquered, varnished veneer, fabric or vinyl leather-optic
- Thermal insulation of walls and ceilings with special marine-grade materials
- Handrails in stainless steel, covered with vinyl-leather
- All cabin- and bathroom doors in light weight sandwich, high quality, soft closure
- Door-locks with high quality “anti-rattle” mechanism
- Hull-portlights in laminated security-glass with inox frame, protected by a carbon tube
- All windows in all cabins have curtains or blinds, several designs and colors available
- Courtesy- / emergency-lights on all steps, narrow passages, passage-corners

### **Description of identical accommodations in 3, 4, and 5 cabin versions:**

#### ***Saloon***

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- Vast panoramic saloon of more than 30 m<sup>2</sup> - headroom: 2.25 m
- Sliding saloon door for access to cockpit, can be locked open or closed
- Weather-tight glass-door to front-cockpit, top-half glass, bottom-half composite, can be separately closed and also locked open or closed
- Under-floor storage-compartment with hatch on hinges and jacks
- All windows laminated security glass – shaded by the solar-roof
- LED spotlights and LED indirect lights, soft day-light ceiling panels

#### **Inside Helms-Position and Chart Table**

Located in the front starboard of the saloon, facing forward

- Helm-position with steering, motor-controls and –displays, compass
- Large instrument console for electronic equipment
- Vast office-desk, storage underneath, space for computer, printer and monitor
- 2 x 230 V (US 110 V) socket, 2 x 12 V sockets

## **Saloon Lounge Area**

Located in the front portside of the saloon

- "L" shaped sofa with comfortable cushions, could serve as bed (210 x 90)
- Varnished dining table for 8 persons

## **Pantry**

Located on port-side facing backwards

- "U" shaped kitchen with "stone" optic worktop
- Sink in "stone" optic
- Mixer spray tap and additional tap providing drinking water from a separate tank
- Hot water circulation-system for immediate availability of hot water
- 230 V (US 110 V) sockets on the worktop
- Induction cook-top (4 plates)
- Stainless steel air-extractor at the ceiling
- Storage:
  - 1 large locker with shelving (optional 12 place dishwasher)
  - Under-sink storage
  - Lockers with shelves, drawers under the cooktop

## **Storage or lounge area**

Located on the starboard aft corner of the saloon

- Large cabinet for oven, microwave, grill and drawers
- Lounge-seat with cushions, storage below

## ***General Cabins***

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**Port-side hull identical in 3, 4 and 5 cabin version**

**Starboard hull identical in 4 and 5 cabin version**

### **Description of identical components and features in all cabins**

- Natural aeration and forced aspiration-system in all cabins and bathrooms
- Thermal insulation of ceiling and walls
- Large portlights of laminated security-glass with blinds /curtains
- Large weather-protected deck-hatch with blind and mosquito-net
- All walls lacquered, covered with wood or vinyl leather optic materials
- 1 large double bed with slatted base and side access
- Maritime mattresses in PU-foam with varied densities for greater comfort and restful sleep (120mm thick), anti-mite, anti-fungus, antibacterial, hypoallergenic
- Along the portlights a generous lounge-seat or lockers instead
- Storage under the bed, accessible from the front and the top
- Several hanging lockers and lockers with shelves, storage boards
- Storage lockers under the floor where possible
- Office desk with drawer
- 2 x 230 V (US 110 V) sockets, 12 V and USB socket
- Reading lights back side of the bed and at the lounge-seat
- General ceiling lighting (LED lights)

## **Master Cabin (in the 3-cabin version)**

Additionally to the above mentioned features

- Starboard-hull exclusively for master-cabin and master-bathroom
- 1 large full hull beam double bed with side access with slatted base
- Option for completely closed bed corner (3 m wide bed)
- Lounge and relax corner
- Office / dressing table with lockers and 230 V plugs
- Walk-in locker with extensive hanging lockers, desk, large mirror and lockers with shelves

## ***Corridors and stairs***

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- All steps made of carbon with real wood inserts, anti skid surface
- Inox handrails, covered with vinyl leather
- Lockers with shelves
- Storage lockers under the floor where possible
- LED courtesy-lights

## ***Bathrooms***

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### **Description of identical components and features in all bathrooms**

- Bathroom accessed through cabin
- „Stone“ optic countertop
- Sink / basin with mixer tap (H/C)
- Hot water circulation-system for immediate availability of hot water
- Locker under the sink / basin and other locker for various items
- 2-door upper cabinet with mirrors above sink
- Non-skid composite flooring (teak flooring with white sealing available)
- Accessories like towel holder etc.
- Electric toilet
- Separate shower (H/C) with Plexiglas door, teak seat, hand-shower and rain-shower
- Composite shower grating with drainage (teak slats available)
- Storage in shower composite block
- 230 V (US 110 V) socket
- 3 spotlights

## **Master Bathroom (in the 3 cabin version)**

### **Additionally to the above mentioned features**

- Generous bathroom in the owner-hull
- Large “king-size” shower
- Jacuzzi with air-and waterjets (optional)
- Large sink / basin
- Separate WC-room with sink and large locker
- Additional mirror and lockers
- 6 Spotlights

# ***Deck***

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## **Transoms**

- Shower (H/C) in portside transom
- Inox handrails
- 1 retractable swim ladder in transom with enclosed boxing and teak wood padding
- 230 V (US 110 V) power outlet and shore-power-input
- Freshwater-outlet and shore-water input
- Courtesy- / emergency-lights

## **Stern - Cockpit**

- Large cockpit usable as deck saloon, protected by the roof
- Cockpit and saloon at the same level, flush deck with draining grating
- 2 side-exit doors from cockpit to the pier
- Lounge-seat to starboard
- Large "L" shaped seating to port with storage underneath
- Fixed (extendable as option) cockpit table for 6-10 persons on port side
- Large sunbed area on port-side
- 2 L-shaped sofas at the stern for 8 persons with storage underneath
- 2 composite coffee-tables at the stern
- Side-by-Side fridge and freezer with ice-maker and cooled water
- Flap with access to waste bin or storage-locker
- All voids are accessible for ropes, fenders, cushions etc.
- LED daylights, point lights and courtesy lights

## **Front-Cockpit**

- Sun- and weather-protected by rigid sunroof
- Weatherproof door from saloon to front cockpit, top part opens separately
- Front-cockpit and saloon at the same level, flush deck with draining grating
- 2 "L"-shaped sofas for 8 persons and 2 tables
- Access to front-deck, trampolines, anchor-winch and chain-locker
- Point lights and courtesy lights

## **Foredeck**

- 2 deck-hatches for access to forward storage-compartments
- 1.750 W electric windlass with gipsy (12 mm chain) and capstan, remote control
- Composite longitudinal compression-beam, comfortable trampolines made of UV-resistant heavy duty mesh

## **Forepeaks**

- Access via 2 Deck hatches
- railed teak-steps, storage shelves
- LED Lighting

## Deck fittings

- 12 mooring bollards total (2 x stern, 2 x mid-ship, 2 x bow on each hull)
- 2 pad-eyes to attach the bridle
- Inserted box for stern bollards and (optional) capstan-winch under the cockpit-floor, closed with a lid. Also serves as a rope-locker
- Stern-bollards and rollers, mid and bow-bollards are inserted in the vessels side
- 900 mm stanchions, inox handrail

## *Flybridge*

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- Access from cockpit via carbon stairway with inox handrail
- Electrically lifting sunroof covered with high efficiency solar panels
- Fly-bridge sunroof closes weatherproof and flush with the fixed part of the solar-roof
- Retractable front windshield
- Bench sofa for 8 persons with flip-able backrest and storage underneath
- Sofa transforms into 6 sun-beds and 3 lounge-seats
- Retractable weather-proof panel for instruments
- 2<sup>nd</sup> helm-position with steering, motor-controls and -displays
- LED point lights and courtesy lights

## Exterior decoration

- Solarwave logo on sides of coach roof
- Model name on each hull

## US SPECIFICATIONS

For boats sold in USA only

- 110 V electrical panel
- 110 V sockets

# Dimensions

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Length overall .....	19,43 m / 63,75'
Length waterline .....	18,84 m / 61,81'
Beam overall .....	9,50 m / 31,17'
Draft .....	1,10 m / 3,60'
Light displacement (EC) .....	25 tons
Water.....	1.000 L
Waste-water .....	2 x 400 L
Fuel .....	1.000 L
Standard engines.....	2 x 20 kW e-motors
CE Certification.....	A: 12; B: 12; C: 16; D: 20

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