



GHASE

Project Development & Consultancy

تطوير المشاريع والاستشارات

**Floating
House
Manufacturing
Project**



SOLAR-ELECTRIC LIVABLE YACHT

GENERAL INFO

Length: 75 ft (22.9 m)
Beam: 32 ft (9.8 m)
Draft: 5 ft (1.4 m)
Speed: 2-3 kts cruise / 5 kts max
Daily Range 4hrs to 10hrs navigation / 8 NM to 20 NM
Total living space: 4,350 sqft (404 m²)
Bedrooms: 4 (8 people)
Bathrooms: 4.5

KEY-FEATURES

100% solar-electric | carbon neutral
Energy positive | self-sustaining
Self-elevating | 100% stable at anchor (up to 25 ft water depth)
Resilient | Cat. 4 hurricane winds resistant design (155mph | 250km/h)

Hull & super-structure construction material: steel
Propulsion: 2 x PM-Prop 100 kW (272 hp) steerable electric thrusters
Bow thruster: 35 hp
Semi-automated jack-up operating system

KEY-FEATURES

Open floor plan w/ floor-to-ceiling stackable impact windows
Seamless indoor-outdoor spaces
270° panoramic views
AC healthy and soothing indoor climate

Solar roof capacity: 36 kW Power XT 315W HP panels
Battery capacity: 182 kWh 2 x Orca ESS banks
Rainwater harvesting & purification system (8-stage filtration)
Fresh water tank capacity: 4,000 GAL (15 m³)
Holding tank capacity: 4,000 GAL (15 m³)
Boat lift capacity (removable): 10,000 lbs (4.5 Tons)

Retractable deck: 455 sqft (42 m²)
Swim platform: 125 sqft (12 m²)
Outdoor kitchen

2 decks
4 en-suite bedrooms (8 people)
5 terraces & balconies
3 sliding/lifting decks

German-made luxury kitchen by Häcker
Appliances by Miele
Exterior decks & terraces by Esthéc
Bathrooms tile by Porcelanosa
Furnishing & Staging by Artefacto (optional; detailed package available)
Art by Hamilton Aguiar (optional; detailed package available)
Home entertainment system by Bose

SOLAR-ELECTRIC LIVABLE YACHT

MAIN DIMENSIONS

75 ft overall length (excl. boat lift) (22.9m)
32 ft overall beam (excl. sliding deck) (9.8m)
44 ft overall beam w/ extended sliding deck (13.4m)

5 ft draft (1.5m)
34 ft air draft (11 m)
7.5 ft freeboard - bow (2.3 m)
3.5 ft freeboard - aft/port/starboard (1.1 m)

123 GRT US gross tonnage
242 Tons displacement (lightship - 533K lbs)
268 Tons displacement (full load - 591K lbs)
360 Tons lifting capacity
4x 40 ft-long steel spuds (12 m)

4,350 sq ft total living space (404 m²)
2,700 sq ft total indoor living space (251 m²)
1,650 sq ft total outdoor living space (153 m²)
2,400 sq ft solar roof (223 m²)
1,100 sq ft total technical & storage space under deck (102 m²)
9.5 ft ceilings - 1st floor (2.9 m)
8.5 ft ceilings - 2nd floor (2.6 m)

Temperature control & Energy efficiency:

7 independent AC zones | 108,000 BTUs (by Mitsubishi)
(7 interior multi-zone split units + 3 exterior condenser units w/ inverter)
Energy Recovery Ventilation system
LED lighting system (indoor & outdoor)
Recessed electric roller shades (available 2nd floor; optional 1st floor)

Highlighted features

Häcker German-made luxury kitchen
Miele appliances
Franke sinks & faucets
InVIDO German-made built-in closets
ITALdoors interior doors
Porcelanosa tile
Grohe shower/toilet system
Villeroy & Boch wall-mounted toilets
Legrand switches, outlets, smart house system
Bose entertainment system

NAVIGATION | Propulsion & Motors

2x PM-Prop 100 kW electric thrusters
35 hp bow thruster
2 knots cruising speed | 5 knots max speed
Daily Range 4hrs to 10hrs / 8 NM to 20 NM (15 to 37 km) (*)
(*) Based on electric power [182 kWh battery capacity; cruising speed]

POWER SYSTEM

36 kW solar panels
30 kW charger/inverter
182 kWh Lithium-Ion battery
90 kW Hydraulic Power Unit
Shore power plug-in (3-phases | 100 Amp | 208 V)
18 kW back-up generator (3-phases; optional)

SOLAR-ELECTRIC LIVABLE YACHT

SMART HOME, COMMUNICATIONS & ENTERTAINMENT SYSTEMS

HVAC remote control: Kumo cloud by Mitsubishi
Lights remote control
Alarms remote control
Cameras remote control
Real-time remote systems monitoring
Resources/Energy control system
65" LED smart 4K UHD wall-recessed TV by Sony (living room)
TV-ready bedrooms
Home entertainment system & outdoor speakers by Bose & Apple
Long range Wi-Fi, 4G LTE
Satellite TV | TracVision 5 & AT&T Direct TV
VHF-FM radio

HULL

8mm steel modular pontoons
Bureau Veritas inspected
28 independent watertight compartments | access through manholes
Cathodic protection | Aluminum alloy sacrificial anodes

4 ballasts (4-5 m³ each | 1,000-1,300 GAL each)
1 air-cooled technical room | Electrical | 130 sq ft (12 m²)
1 ventilated technical room | Hydraulic | 130 sq ft (12 m²)
1 ventilated technical room | Water | 100 sq ft (9 m²)
1 ventilated storage room | 100 sq ft (9 m²)
4 ventilated technical-storage rooms | Jack-up | total 640 sq ft (60 m²)
2 ventilated technical compartments | Propulsion (stern electric thrusters)
1 technical compartment | Propulsion (bow thruster)

4,000 GAL freshwater tank (15m³)
4,000 GAL black/gray water holding tank (15m³)

HULL | Electrical Room

Lights, ventilation, electric outlets, bilge pumps/alarm, smoke alarms
Diamond plate cladding (floor/walls/ceiling)
Battery
Inverter-charger
Propulsion inverters
Backup/emergency inverter
Power disconnects
Breaker boxes
12V/24V DC supply
Alarm box
Communication box
Shore power management system
Transformers
Solar DC disconnect
Working desk
AC unit

HULL | Hydraulic Room

Lights, ventilation, electric outlets, bilge pumps/alarm, smoke alarms
Hydraulic Power Unit
Propulsion motors cooling pump
Energy Recovery Ventilation

HULL | Water Equipment Room

Rainwater purification system (8-stage filtration)
Hybrid water heater
Fresh water pump
Ballast pump
Ballast valves
Central vacuum cleaning unit

SOLAR-ELECTRIC LIVABLE YACHT

MAIN DECK

2,700 sq ft total seamless indoor-outdoor space (251 m²)

1,350 sq ft indoor space (125 m²)

720 sq ft fixed terraces (67 m²)

455 sq ft retractable deck (42 m²)

9.5 ft ceilings (2.9 m)

12 hatches | access technical/storage rooms | indoor/outdoor; below deck

All-around glass railing (9/16" laminated tempered glass | 40" height)

788 sq ft open-floor-plan space (73 m²)

285 sq ft living (27 m²)

310 sq ft kitchen (29 m²)

125 sq ft dining (12 m²)

1 en-suite convertible bedroom w/ sliding wall | 140 sq ft (13 m²)

(Guest bedroom | Office | Crew cabin | Living room extension)

1 bathroom | 42 sq ft (4 m²)

1 powder room | 23 sq ft (2 m²)

Laundry room w/ washer & dryer | 44 sq ft (4 m²) (appliances by Miele)

Storage/Trash room | 110 sq ft (10 m²)

Spacious foyer | 68 sq ft (6 m²)

Open floor plan space

Open concept luxury kitchen fully equipped w/ Miele appliances

65" LED smart 4K UHD wall-recessed TV (by Sony)

Home entertainment system & outdoor speakers (by Bose & Apple)

LED lighting

Recessed roller shades pockets

Indoor flooring: ¾" engineered oak

Indoor flooring: Esthec nautical decking

Access to hydraulic & electrical rooms | 2 hatches

German-made Kitchen

Häcker kitchen cabinetry

Silestone countertops

Franke sinks & faucets

Kitchen island

Miele appliances

Convertible bedroom

Sliding wall

Murphy bunk bed | 2 people

Access to water equipment & storage rooms | 2 hatches

Bathroom

Porcelanosa tile

Vanity w/ Corian countertop (made in Canada)

Italian faucet

Villeroy & Boch wall-mounted toilet

Grohe shower system

Shower glass

Window

Foyer consultancy

Sliding glass entry door

German-made built-in closet

Staircase w/ glass railing

Access doors to trash/storage room and to laundry & powder rooms

Powder room

Porcelanosa tile

Vanity w/ Corian countertop (made in Canada)

Italian faucet

Villeroy & Boch wall-mounted toilet

5 Window

SOLAR-ELECTRIC LIVABLE YACHT

Laundry room

Access to technical room (jack-up/storage) | 1 hatch
Porcelanosa tile, drywall (Densarmor)
Franke sink & faucet
German-made built-in cabinets
Washer & Dryer (by Miele)

Storage room | Trash room

Access from indoor (foyer) & outdoor (stern)
Access to technical room (jack-up/storage) | 1 hatch
Access to technical room (spud/jack-up) | 1 door
Diamond plate flooring & walls
Shore power plug-in (3-phases | 100 Amp | 208 V)
Fresh water fill cap
Wastewater pump-out outlet
Trash compactor (optional)
Electric toys recharge plug-in
Water hosepipe
Compressed air supply

Main deck | Bow

Access to technical room (spud/jack-up) | 1 door
Access to technical room (exterior AC units) | 1 door
Access to technical room (crawl space) | 2 hatches
Access to dock side
Helm station
Stainless steel bollards x2
Outdoor kitchen w/ sink/faucet & electric grill
Water hosepipe

Main deck | Starboard

50 sq ft retractable platform (4.6 m²)
Removable aluminum access ramp | 2 x 3ft x 10ft
Stainless steel cleats x4

Main deck | Port

Access to technical rooms (spud/jack-up) | 2 doors
Access to technical rooms (jack-up/storage) | 2 hatches
455 sq ft retractable deck w/ foldable glass railing (42 m²)

Main deck | Stern

Access to technical rooms (propulsion motors/storage) | 2 hatches
Access to dock side
Stainless steel bollards x2
Outdoor shower
Water hosepipe
125 sq ft remote controlled swim platform w/ Esthec Terrace | (12 m²)
Removable boat lift (tender boat capacity: 30 feet | 4.5 Tons max)
Removable safety net

UPPER DECK

1,650 sq ft total indoor-outdoor space (153 m²)
1,350 sq ft indoor space (125 m²)
300 sq ft balconies (28 m²)
8.5 ft ceilings (2.6 m)
1 en-suite master bedroom | 500 sq ft (47 m²) w/ walk-in-closet, free-standing bath & private balcony | 180 sq ft (17 m²)
1 en-suite VIP guest bedroom | 330 sq ft (31 m²) w/ private balcony | 120 sq ft (11 m²)
1 en-suite guest bedroom | 250 sq ft (23 m²)
Bright hallway | 100 sq ft (9 m²)
Balconies w/ 270° panoramic views & all-around glass railing | Master & VIP LED lighting
Automatic electric shades hidden in recessed pockets
Indoor flooring: ¾" engineered oak
Indoor flooring: Esthec nautical decking
Bedrooms w/ TV-projector-ready outlets





























COFFEE TABLE
LAMP



















SCOPE OF SUPPLY

SCOPES OF SELLER

- Supply of machinery and equipment required for super steel structure (Made in Europe)
- Preparation of necessary documents for the establishment of your company and follow-up of documents (If the land will allocate in Free Zone)
- Basic and Detailed Engineering and Tecla Drawing
- Consultancy for local material and system supply
- Consultancy for international material and system supply
- Consultancy for hire management and workers
- Manufacture 1 unit full specification of Floating House

SCOPES OF BUYER

- Provide Land and Buildings (Minimum 2.000 sqm closed area. Suggested Location is close to Marina)



COST OF SYSTEM

5.500.000 USD

PROFIT RANGE

%50 to % 90

MACHINERY AND EQUIPMENT SUPPLY TIME

4 MONTHS

1 UNIT FLOATING HOUSE CONSTRUCTION TIME

5 MONTHS

(one shift)

PROCESSING CAPACITY OF MACHINES

250 TON/MONTH

