



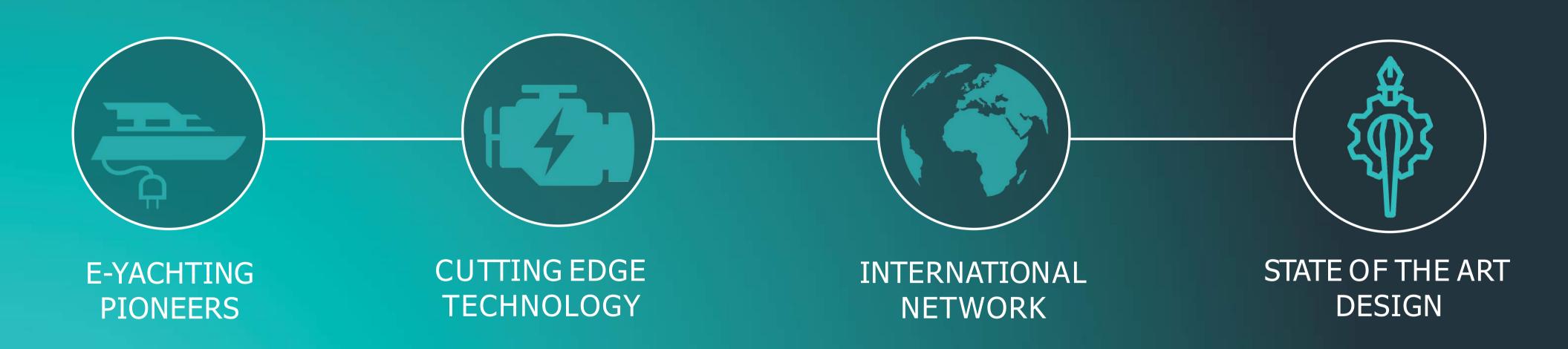


Our Vision

Our vision is to bring electric yachting into a new era with a product offering of progressive, electrified solar catamarans and sailing yachts that are designed and engineered without compromise!



Strengths





Product and Innovation



Zero Emission

Our yachts are engineered with the most advanced solar assisted propulsion systems reducing emissions footprint significantly.



Integrative Technology

The exterior of the Ocean Eco Line is entirely covered in solar panels which helps us to get the best engergy output and as leek finish.



Silent Cruising

Our yachts produce virtually no noise providing peaceful cruising and is less harmful to the ocean fauna.









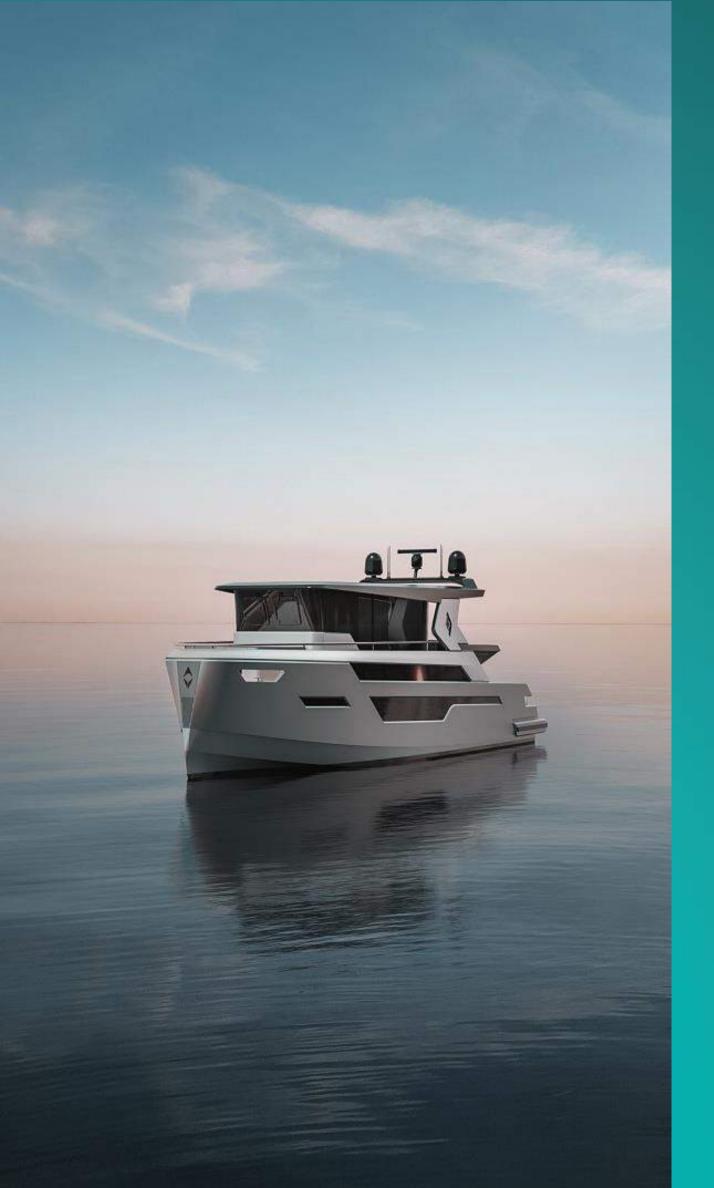
"With our current position as e-yachting pioneers we are eager to guide the luxury market towards sustainability."

Alva Yachts is determined to improve the society we live in. We are on a journey towards sustainable, avant-garde electric yachting. We constantly strive for new, greener technology that improves performance to be used in our yachts".

Mathias May – Founder & Managing Director







ALVA YACHTS PRODUCT RANGE











Our magnificent new OCEAN CRUISE 50 electric-solar cruiser

The first monohull of Alva Yachts will offer owners an unparalleled number of options to personalise their solar supported electric yacht.

With a unique layout consisting of a large beach club area which under way holds the yachts tender and a jet ski, you wouldn't find a yacht in the 50 feet range which is closer to a super yacht layout as this versatile Alva Yacht.

A number of new options has been developed by our design team to offer an even more spacious accommodation for up to 8 Guests and 2 Crew, and 6 Guests and 2 Crew for the owner's version.



OCEAN CRUISE 50

Principal Dimensions

LOA: 15, 20 m / 50 f
Beam: 4,85 m / 15 f
Draft: 1,28 m / 4,2 f Light
Displacement: 25,2 t Water
Capacity: 600 L + Water maker/

Opt. 2x 600 L

Fuel Capacity: 600 L + optional

2x 600 L

Accommodation: Cabins 3/4 + 1 crew Berths 6/7 + 1 crew Head compartments: 2

Performance:

Engines: 2 x 100 Kw electric

Engines

Opt. 2x 230 KW electric Engines

Generator: 50 kVa / Opt. 100 kVa **Battery capacity:** 150 kWh / Opt.

240 kWh

Maximum speed: (performance vers.) up to 20 kn Cruising speed

Classification: CE- Swiss Lloyd /

private Yacht







Deck Plans









The stunning OCEAN ECO 54

A luxurious and versatile yacht that is the perfect size for short and long-distance cruising to your favourite destinations. This yacht boasts plenty of space for the family and friends to explore the shores and anchor at your secret cove.

Enjoy the silence as the quiet electric motors make good progress, while taking in the beauty of the ocean around you. There is plenty of storage for your water toys and the generous galley is the perfect place for preparing that delicious dinner after a hard day being on the water.



Principal Dimensions

LOA: 16.50 m **Beam:** 8.35 m

Draft: 1,28 m / 4,2 f Light **Displacement:** 25 t

Water Capacity: 500 L + Water

maker/ Opt. 2x 600 L Fuel Capacity: 1,350 Ltr

Accommodation: Cabins 3/4 + 1 crew Berths 6/7 + 1 crew
Head compartments: 2

Performance:

Engines: 2 x 100 Kw electric Engines Opt. 2x 250 KW electric

Engines

Generator: 100 kVa

Battery capacity: 100 kWh / Opt.

240 kWh

Maximum speed: up to 17 kn

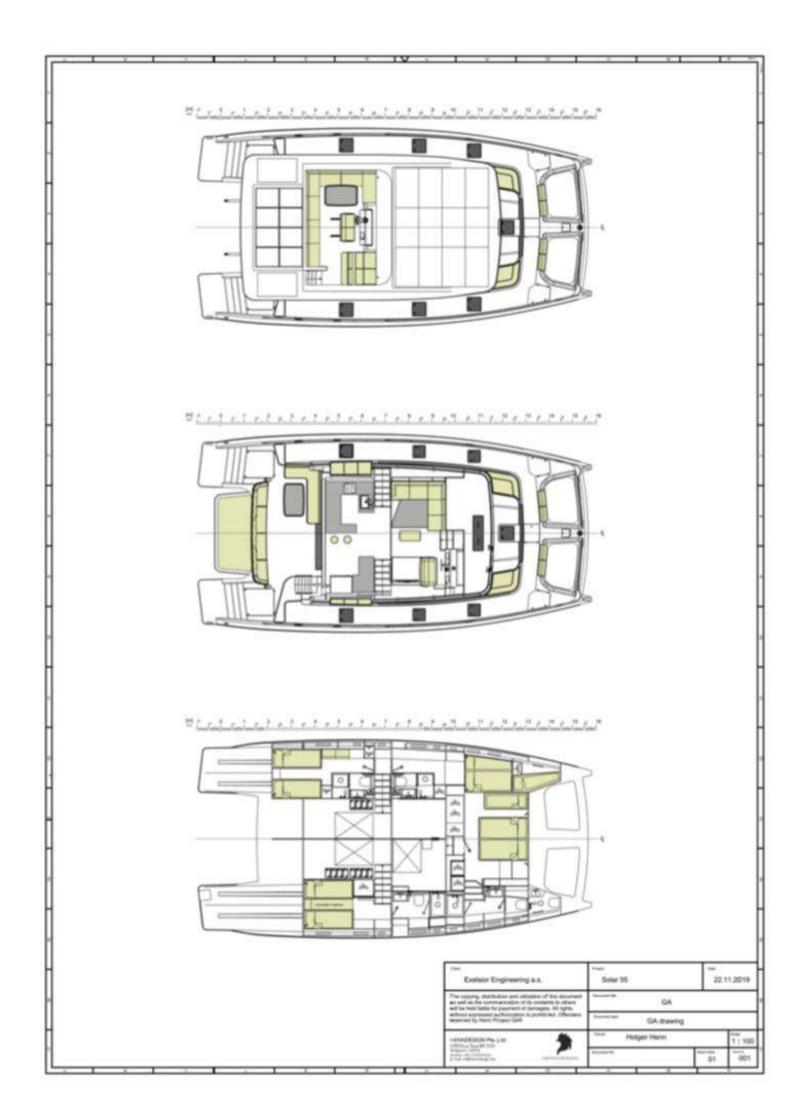
12 kn Cruising speed

Air conditioning: Up to 75,000

BTU

Classification: CE-A Swiss Lloyd /

private Yacht



Deck Plans

OCEAN ECO 54





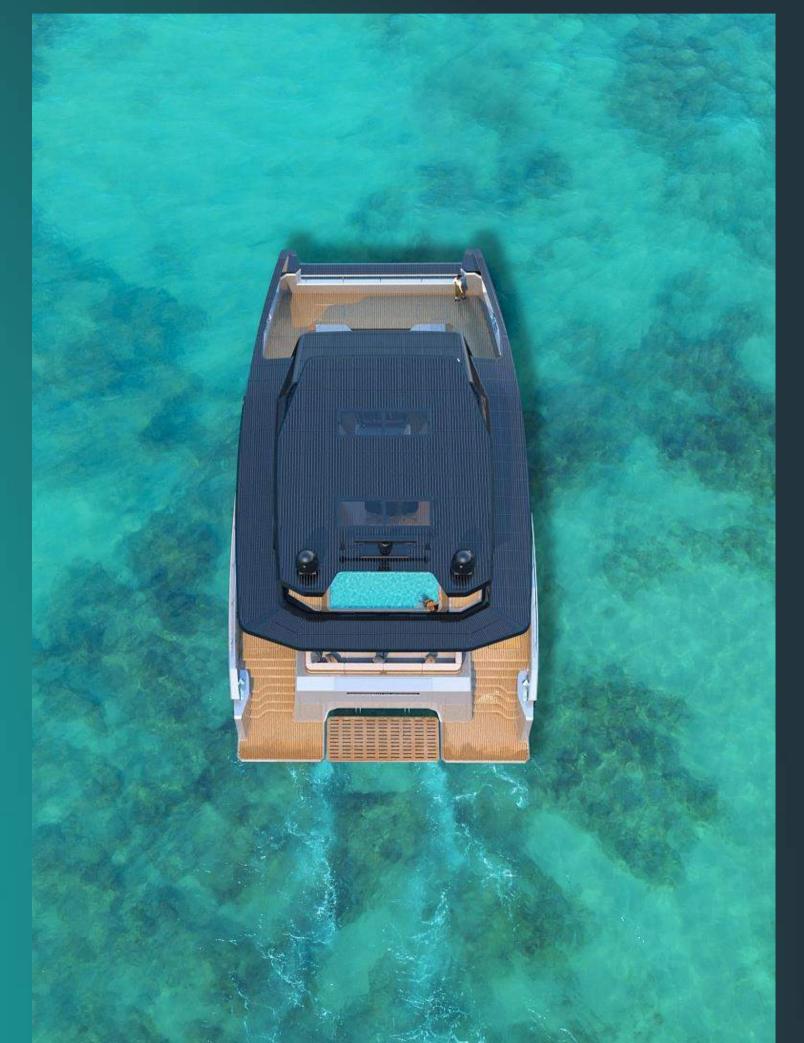




The perfect mid sized electric solar catamaran

The **OCEAN ECO 60** is an innovation packed solar assisted electric long-range cruiser that will perfectly suit customers who like to cruise and explore while yachting.

Designed with luxury, safety and cruising comfort in mind, it is an example of the latest technological developments in the field of self-sufficient yachts surpassing its competition by years.





OCEAN ECO 60 EXPLORER











Principal Dimensions

Length Overall: 18.40 m/ 60ft Length of waterline: 17.80 m

Beam: 10.20 m **Draft:** 1.2 m*

Displacement: (LD) 28,000kg

Propulsion: 2 x 100 KW up to

2x350 KW

Generator: 25 KVA up to 100 KVA

- frequency driven DC

Batterie capacity: 150- 280 kWh **Solar Power:** 20KW Peak

Fuel: 500-1000 L

Fresh Water: 500-1000 L Hot water: 200L

Greywater Tank: 400 L
Blackwater Tank: 400 L
Air-conditioning: 58.000 BtU -

150.000 BtU

Classification: CE- Swiss Lloyd /

private Yacht





LOWER DECK - Owner Version







Plans

Deck















THE FLAGSHIP OF ELECTRIC CATAMARANS

The new OCEAN ECO 90 breaks new ground in yacht design and cruising efficiency. It is one of the finest examples of modern-day superyacht building.

The **Ocean Eco 90** tries to renounce old yachting clichés and create a new look and feel for the new generation of E-Yachting. Modern shapes, a clear and futuristic feel but classic colours and materials create a well-rounded exterior design for forward thinking clients.

Some of the key aspects of this design include a great open outdoor a large open flybridge and the large and well-lit saloon.



OCEAN ECO 90 EXPLORER









Principal Dimensions

Length Overall: 27.50 m **Length of waterline:** 27.00 m

Beam: 14.00 m **Draft:** 1.2 m

Displacement: (LD) 90,000kg

Full Electric Version:

Up to 2x 500 kW gearless electric drive & 2x 100 kVA DC Generator, Hydrogen Fuel cell with Hydrogen storage tanks as an option

Hybrid Diesel-Electric Version:

2x 250 kW gearless electric drive & 2x 456 KW diesel engine, gearbox

Cruising Speed: 8-10 kn, Top Speed 15-16 kn Solar Input: 40 kWp , with "Solar Roof" glass tiles

Batterie capacity: 240 kWh – 360 kWh

Fuel: 1.500 Ltr / 396 US gal.- 5.000 Ltr / 1.320 US gal

Fresh Water: 1.500 Ltr / 396 US gal. - 3.000 Ltr / 793 US gal.

Water Maker: 280 Ltr/h – 74 US gal./h
Hot Water: 200 Ltr / 53 US gal.

Grov water: 2x 200 Ltr / 2x53 US gal.

Grey water: 2x 200 Ltr / 2x53 US gal.
Black Water: 2x 200 Ltr / 2x53 US gal.

Shore power: 32 Amp

Air-Conditioning: Up to 120.000 BTU Wastewater Treatment System available

Classification: German Lloyd / private Yacht





Deck Plans









MASTERFUL DESIGN MEETS SOLAR YACHTING

The OCEAN SAIL 72 is an innovation packed solar assisted electric performance cruiser that will perfectly suit customers who like to cruise and explore while yachting. Designed with luxury, safety and performance in mind, it is an example of the latest technological developments in the field of self-sufficient yachts surpassing its competition by years.



Principal Dimensions

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 Greywater Tank: 2x 200 L Generator: 20 kW, DC Photovoltaic: 4,8kWp Shore Power: 3 kVA 230 V Air-conditioning: 50,000

BTU

Mainsail: 123m²Self-tacking

Jib: 121m²

Genoa (optional): 142m² **Gennaker:** 305m²











The key design features are the clean and clear outlines. The most obvious thing that comes up when you look at the OS82 is the clean deck solution and the racing hull.

From the first day the goal was set to make the best performance yacht possible. Therefore, it was essential to combine a hull that is influenced by the shape of racing hulls with a comfortable and cosy decks layout.





Deck Plans

Principal Dimensions

Hybrid: Electric engine:

gearless 135 kW **Batteries:** Lithium-Ion
battery pack 140 kWh, 10

kWh

24V DC Generator: 40 kVA – DC Generator, variable

drive

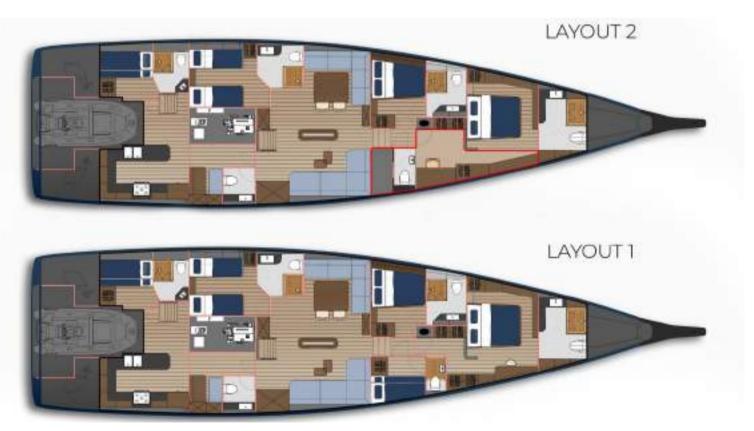
Solar power: 5 kW peak Shore power: 4 kVA 230 V AC power: 15 kVA 230 V

Fuel: 1000 L

Fresh water: 600 L + water

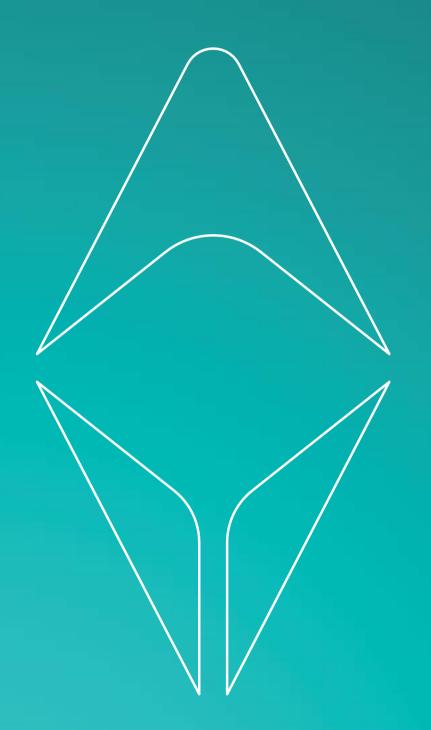
maker 200 l/h
Hot water: 50 L
Grey water: 200 L
Black water: 250 L
Air-con: 75.000 BTU











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