



HORIZON YACHTS INC

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SunCat

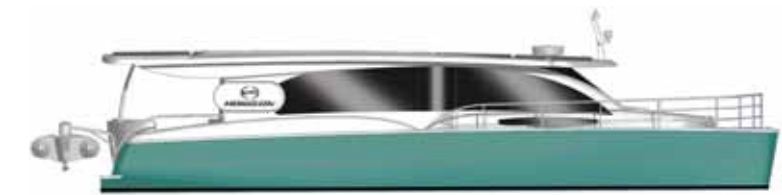


SunCat 46



The new SunCAT 46 is the first Horizon solar powered yacht and features exterior styling by J.C. Espinosa, who has developed a series of successful yachts for the Horizon Group. The layout includes a saloon with fully equipped entertainment system, a galley with electric stove and refrigerator, dinette, a helm station, and an owner's stateroom with ensuite head and shower. The equipment, materials and craftsmanship are of the highest quality and incorporate all of the state-of-the-art technologies used on all other Horizon yachts.





SunCat 46 provides an enormous roof area where more than 6kW of solar panel can be fitted. The solar power is stored in large battery packages giving out energy as required for propulsion, mooring, and general livelihood onboard. Solar power makes the SunCat 46 self-sustained, and all on-board activities and the A/V system can be enjoyed using this cleanest energy. Life can be luxury and environmental friendly.

SunCat 23



The SunCat 23, a solar-electric 23-foot catamaran, is a design collaboration with naval architect Thomas Meyer, CEO of Solar Water World AG. Powered by a 2.8kW electric outboard motor, the catamaran is capable of running at 6 knots with 12 people aboard. The storage batteries onboard are sufficient to last for a day trip even without a charge from the sun. Hardtop-mounted solar panels made by leading manufacturers provide a total output of 800W to continuously charge the batteries during daylight.





In addition to the technology of combining solar power with an electric motor, this green boat has a hull design that optimizes its ability to cruise with very limited power. Thanks to the ultra-low-resistance catamaran hull form, this 23 footer can be propelled by the equivalent of the power of a microwave oven. Combining green power with a high efficiency hull creates a truly green boat.

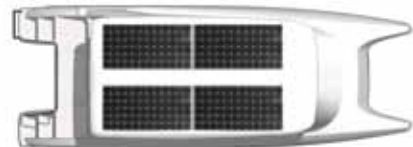
The Horizon Group strongly believes in environmental protection and innovation. By developing this emission-free solar boat, Horizon is expecting to gain more knowledge in utilizing alternative resources to continuously develop more environmentally friendly boats in the future.





SunCat 23 Specification

Length of all	7.00m/23'-0"
Beam	2.50m/8'-3"
Draft	0.64m/2'-1"
Displacement (Full)	2.5tons/5,500lb
Motor	KRÄUTLER 2.80kw
Solar Panel	720w
Max.Speed	11km/h
Cruise Speed	8km/h
Range	6hr@cruise speed



Hardtop



Main Deck

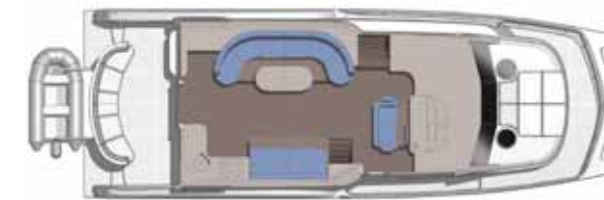


SunCat 46 Specification

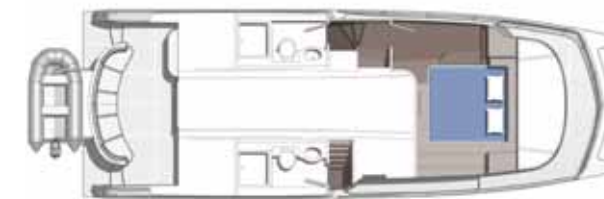
Length of all	14.12m/46'-4"
Beam	5.00m/13'-1"
Draft	1.20m/3'-11"
Displacement (Full)	21tons/46,200lb
Motor	KRÄUTLER 8kw*2
Solar Panel	6kw
Max.Speed	11km/h
Cruise Speed	8km/h
Range	8hr@cruise speed



Hardtop



Main Deck



Lower Deck