

SOLARWAVE SOLAR FERRY

- 50 pax zero emission catamaran -



Technical Specification *50 pax solar*

A - MAIN CHARACTERISTICS

Type of vessel:	Twin-screw motor yacht
Type of hull:	Catamaran
Hull material:	Side Shell PVC sandwich E-glass & Epoxy Bottom Shell Okume sandwich E-glass & Epoxy
Main power:	Solar panels 10 KW

1. Dimensions / Displacement

Length overall:	17.8 meters
Length on waterline:	17.5 meters
Beam:	6.0 meters
Deep to Main deck:	3.7 meters
Design Draft:	0.6 meters
Design displacement:	11 tones

2. Electric capacities

Standard batteries:	60 KW
Solar panels:	65 sqm

3. Performance

Total propulsion power:	18 kw
Top speed at design displacement:	9 kn
Economical cruising speed:	6 kn

Approx. Power Consumption
at cruising speed (without wind, current, waves, 25 PAX): 12 KW/h

B - SURVEY, APPROVAL

1. Classification

The yacht has been survey by, and in full accordance with CE
The navigation notation will be **Category C 50 pax solar**

C - EQUIPMENT & MATERIALS

1. Hull Structure

- Resin & hardener MGS (Germany) Epoxy L135 -H137
- E - glass fibre Selcom (Italy) Stitched multiaxials
- Carbon fibre Epo (Germany) Stitched unidirectionals
- PVC core Diab (Sweden) Divinycell H 60/80
- Insulation Enac (France) Various Materials

2. Propulsion System

Two Main engines 9 kw

3. Power & Hydraulics

- 1 Windlass
- 1 Anchor
- 1 Chains
- 2 Rudders
- 2 Rudder bearings

4. Deck Equipment & Fittings

- Deck railings 316L S.Steel
- Deck fittings 316L S.Steel
- 1 Gangway
- 1 Wx Saloon door TSMM
- 3 Wx Side doors TSMM
- 3 WT MC emergency hatch TSMM Epoxy Composite
- 4 Crew portlights TSMM 316Lep
- Exterior paint system PU

6. Safety Systems

- 1 Tender boat
- 1 Tender launching system
- 1 Engine room fire system
- 3 Windscreen wipers
- 5 Navigation lights
- 1 Horn