

The highest efficiency ever experienced from any electric engine system

“At SolarWaterWorld (previous Institut für Solarschiffbau), we have been working with electric and Solar electric powered boats since 1996.”



Since 2002 we have used Asmo Marine as our engine supplier. The systems from Asmo Marine has the highest efficiency that we have experienced from any electric engine system, which is upmost important, if you want to rely on batteries and solar power.

We have used Thoosa systems in powerboats, houseboats – and now also in our new series of Solar Catamarans.

The Solar Cat presented here, SunCat 23, with a Thoosa 6000 installed in each hull results in an astonishing top speed of 16 knots. The cat is currently used as a Water Taxi on the Berlin waterways.

The SunCat 23 has also been made in a version for rental purpose, with a Thoosa 3000 installed in each hull. The top-speed has been reduced through the enginecontroller, to reach a max speed of 5 knots, to ensure 12 hours of cruising independent of the Solar Photovoltaic system.

We hope that more people will realize the potential of electric powerboating, bringing pleasure to your time at sea as well as sparing the environment for pollution of any kind.

Thomas Meyer - *Naval Architect*
Dirk Tegtmeyer - *Engineer for Solar and Electric*



Specifications		Installation on SunCat 23 · 2003'	
Situated:	Berlin (Germany)	Boat:	SunCat 23
Installed:	2003	LOA	7.30 meter
Installed by:	SolarWaterWorld AG	Beam	2.50 meter
Previous Engine:		Draft:	0,75 meter
Electric engine:	Twin - Thoosa 6000	Displacement:	
Propeller:	3 blade fixed propeller – 14” pitch 10		
Battery Bank:	48V – 220 Ah	Photovoltaic:	600 Wp