



AnEnergy Co., Ltd

Company Profile

ENERGIZING FUTURE LIFE

We Are AnEnergy

AnEnergy was established in early 2018 and gathered a group of like-minded young people with mutual goals to work and develop together. We provide professional electric power system and power system integration as the core technology in the boat industry and also for other EVs, including system integration, electric power system design, power battery module design, and fuel cell system.

SINCE
2018

Our Service Tenet

Energizing Future Life



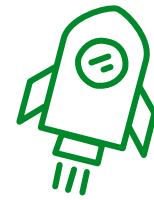
Connected



Autonomous



Shared



Electric

Energizing future life is the main concept of AnEnergy Team, wishing to build an ideal green energy generation. With the upward trend of electric vehicles, smart energy, big data integration, Internet of Things and other applications, energy technology has opened up a new page.

AnEnergy was born for electric vehicles with safe, quiet and secured energy applications, and will accompany the public from basic energy consumption to use energy in a smart way.

Product and Service

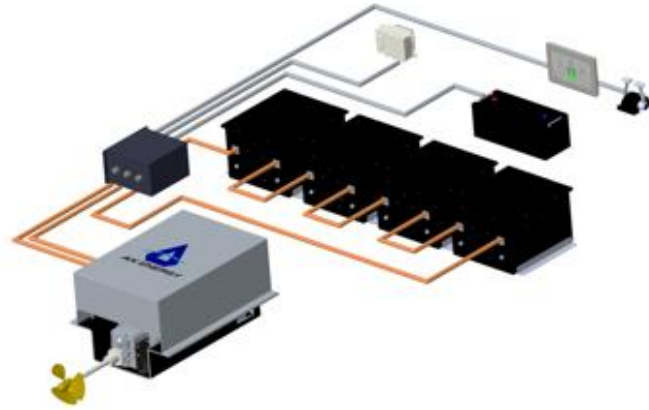


A wide range of premium services and consultations



Electric yacht

7-10 meters E-boat
15-24 meters E-yacht



EV system design

E-boat total solution design
E-bus system design
Other EV total solution
Diesel engine electrification



ESS & Power system

Energy storage system
Fuel cell system
Lithium battery pack

Achievements



Sea eFerry 20 feet long, 7.5 feet wide

The first maritime electric sightseeing passenger ferry in Thailand with aluminum hull and 12 knots cruising speed, carrying about 150-200 passengers. This twin installation design ferry is a bellwether of Thailand's electric boat industry.

Lake Sightseeing Catamaran 14.5 feet long, 5 feet wide

The luxury electric passenger catamaran operates daily in Sun Moon Lake and has been in smooth operation for years. With FRP hull, it is capable for 45-60 passengers and can sail continuously for 3.5 hours at 8 knots speed.



Reservoir working craft 19 feet long, 6.7 feet wide

High capacity catamaran in Tainan reservoir. With solar power system and high efficient propulsion system, it is capable for 50 passengers and can sail 5 hours for 7 knots speed.

Brands with Us



Focusing on electric boat for years, we merchandise a wide range of electric boats and related products to address customer needs with different solutions.

The logo for Torqeedo, featuring the word 'TORQEDDO' in a bold, orange, italicized sans-serif font.

TORQEDDO

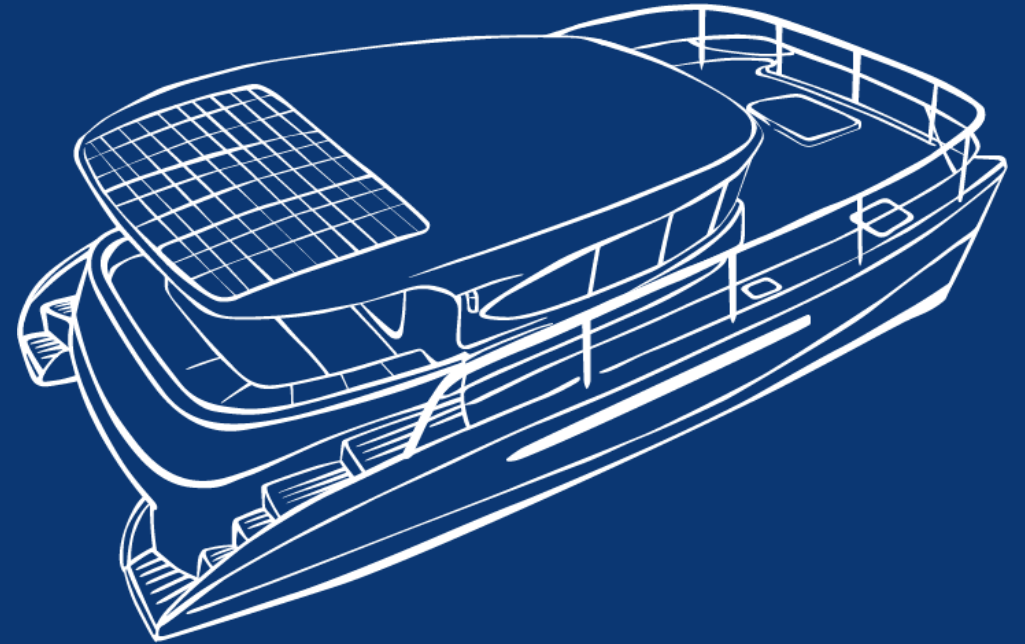
A leading company of electric mobility on water.



The expert of lithium batteries with high safety and quality.

E-Yacht

- Model A Yacht
- Model D Yacht
- Model E Catamaran



Features of being electric

- | | |
|---------------------------|-----------------------------|
| • Easy to Charge | • Green Energy |
| • High Safety & Stability | • Zero Emission |
| • Low Maintenance | • Low Noise & Low Vibration |
-

Model A E-Yacht

7 Meters Electric Yacht / 5-7 passengers

- The hull is designed and made in France.
- Assembly in Taiwan with our professional BMS and electric power system, conformed to CE and US NMMA standards.

Cruising Speed	10 knots (Max 15 knots)
Hull	FRP
EV system	single-screw propulsion 32kW/2800 rpm
Battery	40kWh lithium battery
Charger	6.6kW, 6 hours to full charge
Display Panel	4 inches high-brightness touch display panel with smart control system
Interior	Bridge, sleeper berth, dining table, bathroom including electric bidet toilet, simple kitchen
External	Diving board, fishing rod holder, detachable dining table, sunroof



Model D E-Yacht

8 Meters Speedboat / 8 passengers

- Smart and sharp.
- The hull is designed by Mitsubishi Japan and made in Taiwan and equipped with our professional BMS and electric power system, conformed to CE and US NMMA standards.

Cruising Speed	14 knots (Max 20 knots)
Hull	FRP
EV system	twin-screw propulsion 32kW/2800 rpm
Battery	80kWh lithium battery
Charger	9kW, 9 hours to full charge
Display Panel	7 inches high-brightness touch display panel with smart control system
Interior	Bridge, sofa, dining table, fishing rod holder



Model E luxury catamaran

18 Meters luxury catamaran / 45 passengers

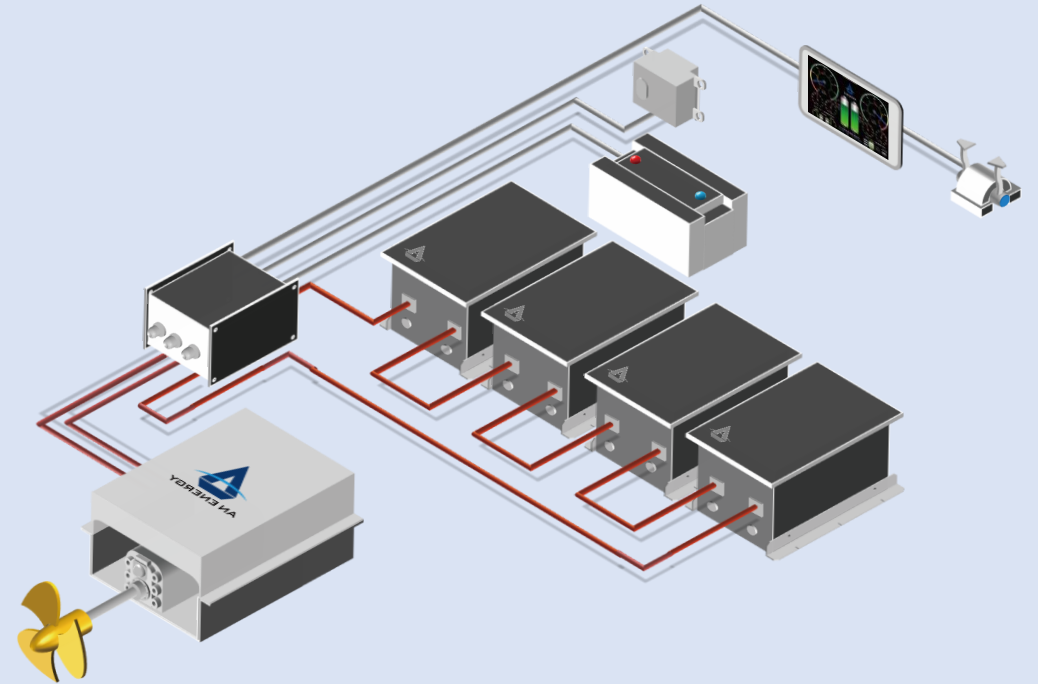
- The hull is designed and made in Taiwan.
- Equipped with 12 inches touch screen, twin electric power systems and available for 45 persons on board.



Cruising Speed	9 knots (Max 12 knots)
Hull	FRP
EV system	twin-screw propulsion 32kW/2800 rpm
Battery	160kWh lithium battery
Charger	18kW, 9 hours to full charge
Display Panel	12 inches high-brightness touch display panel with smart control system

Electric System Design

- Electric system
- Propulsion system
- Lithium battery pack
- Fuel cell system
- Diesel Engine Electrification



EV Total Solution

- | | | |
|--------------------|------------------------|-------------------------------|
| • Motor | • LFP battery cell | • Electricity on board |
| • Motor controller | • Fast charging | • Touch Panel (HMI) |
| • Propeller | • Shore charge station | • Control & Monitoring system |
| • Li-battery pack | • Solar system | |

Electric system

System Integration for Hardware & Software



Cloud Management

Bigdata analysis
Algorithm



Software

Smart touch panel
Intelligent control



Hardware

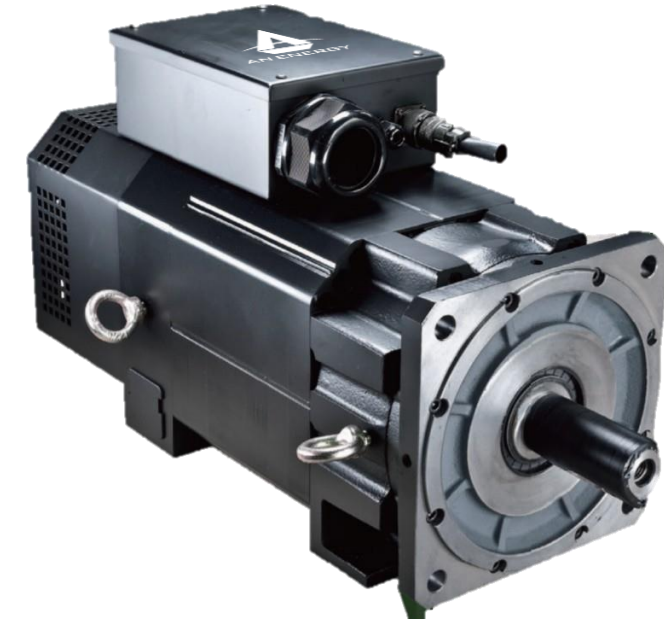
High efficient powertrain
High capacity battery pack
Safety certification

Propulsion System

High Efficiency Powertrain

- Equipped with EV motors that can maximize the motor efficiency up to 97% with high torque
- High stability, high performance, scalability and compatibility, highly flexible for customization and control system applications.

Up to 100kW	i25		i48		i95	
	25kW	96Vdc	48kW	384Vdc	95kW	576Vdc
100kW to 300kW	i130		i150			
	130kW	576Vdc	150kW	664Vdc		
Above 300kW	i300		i500			
	300kW	700 ~ 1000 Vdc	500kW	700 ~ 1000 Vdc		



Marine Power Battery



High Capacity Battery Pack

- Designed for boat use in sea with higher standards.
- High performance BMS with high accuracy measurement and protection mechanism to keep safe and extend the lifecycle.
- Laser welded cell connections for safety and stay strong.
- 2500 lifecycle, DOD>80%.



Application	Lakes	Inshore	Offshore	Seagoing
Nominal Voltage	96 V	384 V	576 V	1152 V
Battery Capacity	240 kWh	960 kWh	1.5 MWh	3 MWh
In Series and Parallel	1S 6P	4S 6P	6S 6P	12S 6P



Certification



SAE J1939
NMEA 2000

Fuel Cell System

Larger Vessels Solution

The marine fuel cell system is one of the vital development for AnEnergy due to the increase of market demand. Fuel cell system is considered as a proper solution for large merchant ships and military vessels to be electric.

We cooperate with well-known Japanese manufacturers, integrate the fuel cell system and our electric power propulsion system into ships and buses or other vehicles with high-pressure hydrogen storage tanks, hydrogen storage systems, and hydrogen refueling stations to provide comprehensive solutions.



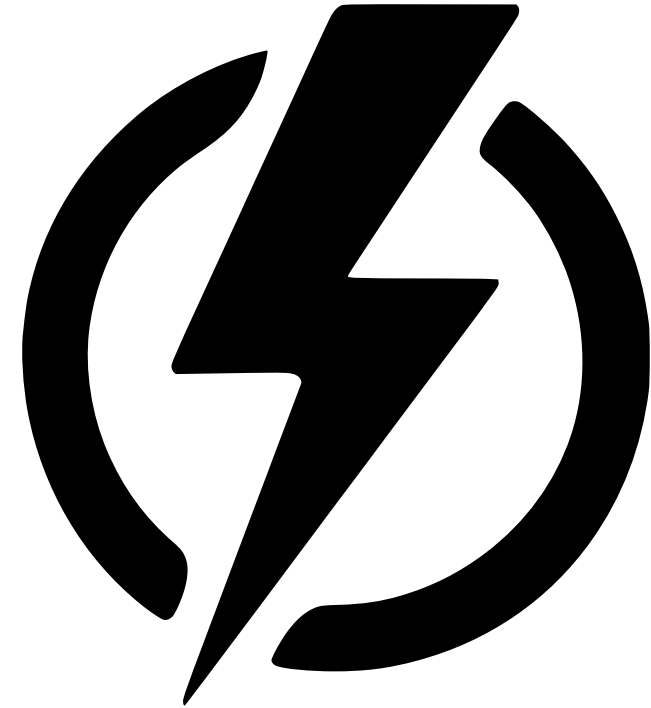
Diesel Engine Electrification



Pure Electric & Hybrid

We provide premium services for converting your existing diesel boats into pure electric or hybrid power systems.

From evaluation to planning & design, one-stop service allowing you to easily enter the world of electric boats.



Energy Storage System

Including high-efficiency lithium battery, power Conversion System(PCS), battery energy storage system (BESS), control system (CS), energy management system(EMS), backstage management system, suitable for household, industrial/commercial use, power transmission and distribution businesses, etc. We provide 500kW-1MW energy storage system in cabinets or container according to customer needs.



500KW

1MW

Customized

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