



ELECTRIC PROPULSION SYSTEMS FOR BOATS

CATALOG



**E'DYN WAS CREATED WITH ONE THING IN MIND
– THE CUSTOMER.**



A SHORT

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STARTED AS
A RESEARCH
PROJECT

**E'DYN WAS CREATED WITH ONE THING IN MIND
– THE CUSTOMER.**

Therefore, all products are produced and assembled in accordance with the latest innovations, technology improvements and your requirements. Caring for customers doesn't end with the creation of strong, customized and well-designed motors, but also includes care for the environment, allowing you to enjoy everything their products have to offer. Products are created with and for you, therefore electric motors are customized to make a splash, while keeping the waters you wish to explore clean.

only

about e'dyn

RESEARCH PROJECT EVOLVED
INTO A RANGE OF SERIAL PRODUCTS

The luxury of being able to move almost silently is the most beautiful experience of navigating with an electrically powered boat. Whole chapters in the literature for the shipbuilding industry are devoted to noise reduction in the powertrain. The electric system with this uniform rotation has a low noise and vibration level.

E'DYN PROPULSION SYSTEMS

●
Free time

OUTBOARD

●
Heavy duty

SAIL

●
Heavy duty

OUTBOARD

●
Heavy duty

INBOARD



Small outdoor electric motors for every day

E'DYN

Free time



EXTREME LIGHTNESS

Simple. Easy. Economical.

The new Simplicity series are extremely light motors with power from 2.8 to 6.5 kW. The lightness of the engine makes it easy to carry. No spilled gasoline in your car trunk and no dirty hands.

**E'DYN WAS CREATED WITH
ONE THING IN MIND
- THE CUSTOMER.**



We adapted the batteries to the Simplicity series. With their minimum weight and 2.5 kWh of power, they ensure easy transport and long operating autonomy. You can choose between steering wheel or steering lever. The choice is entirely yours.



**E'DYN
0305**



**E'DYN
0408**



**E'DYN
0610**



**E'DYN
1120**



**E'DYN
2035**

RATED VOLTAGE	48V	48V	48V	48V	96V
RATED POWER	2,8 kW	4,3 kW	6,5 kW	11 kW	20 kW
RPM ON OUTPUT SHAFT	1250	1350	1500	2400	2400
SYSTEM EFFICIENCY	90%	90%	90%	>90%	>90%
RATED CURRENT (A)	60A	90A	135A	220A	220A
WEIGHT	17 kg	18,5 kg	22 kg	45 kg	45 kg
DIMENSIONS	993 x 410 x 200	993 x 440 x 200	993 x 500 x 200	670 x 405 x 1151	670 x 405 x 1151
TRIM	/	/	/	electric	electric
WATERPROOF	IP55	IP55	IP55	IP56	IP56
PROPELLER SHAFT	Custom	Custom	Custom	Standard	Standard
SUITABLE BATERIES	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid

Electric motors for sailboats

E'DYN

Heavy duty



COMPLETELY
GREEN AND ECO

Simple. Powerful. Easy.

**E'DYN WAS CREATED WITH
ONE THING IN MIND
- THE CUSTOMER.**

The Sail series engines are designed for sailors who enjoy the silence and fluttering of the flag in the wind. Their movement is ecological and inaudible, as if driven solely by the wind. The Sail series is available from 1.6 kW to 10 kW in the Submersible version.



FEEL
THE WIND

We adapted the batteries to the Sail series. They provide long operating autonomy with their minimal weight and high power.



**E'DYN
0204**

POD ACID



**E'DYN
0408**

POD ACID



**E'DYN
0205**

SM ACID



**E'DYN
0408**

SM ACID



**E'DYN
1018**

SM LI-ION



**E'DYN
1018**

SM ACID

RATED VOLTAGE	24V	36V	36V	36V	48V	48V
RATED POWER	1,6 kW	4,3 kW	2,4 kW	4,3 kW	10 kW	10 kW
RPM ON OUTPUT SHAFT	1200	1850	1800	1850	1000	1000
SYSTEM EFFICIENCY	85%	88%	85%	85%	88%	88%
RATED CURRENT (A)	92A	92A	120A	120A	200A	200A
WEIGHT	18 kg	25 kg	23 kg	25 kg	37 kg	37 kg
DIMENSIONS	120 x 260 x 550	120 x 260 x 550	116 x 450 x 1140	116 x 472 x 1130	551 x 178 x 1140	551 x 178 x 1140
TRIM	/	/	/	/	/	/
WATERPROOF	IP67	IP67	IP67	IP67	IP67	IP67
PROPELLER SHAFT	Flansch propeller	Flansch propeller	Standard	Standard	Standard	Standard
SUITABLE BATERIES	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid

Large outboard motors for demanding users

E'DYN

Heavy duty



HIGH PERFORMANCE QUALITY

Optimal. Durable. Economical.

**E'DYN WAS CREATED WITH
ONE THING IN MIND
- THE CUSTOMER.**

Top notch outboard motors with a power up to 25kW enable immense pleasures of silence in slow driving or in achieving speed records. Fixed motor mounting makes it easy to use. You can choose between steering wheel or steering lever. It's up to you.

FOR EVERYDAY USE

Customized.
Durable.
Jumped.

The Perfect series has custom batteries.
These, with their minimal weight and high
power, ensure long operating autonomy.



**E'DYN
0408**

OB ACID



**E'DYN
1018**

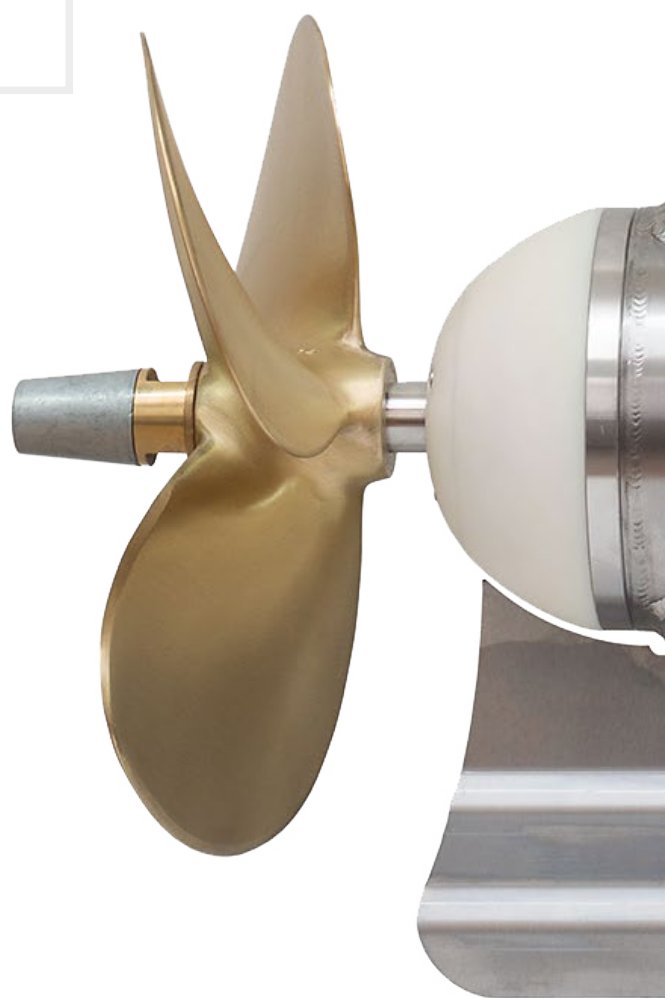
OB LI-ION



**E'DYN
1018**

OB ACID

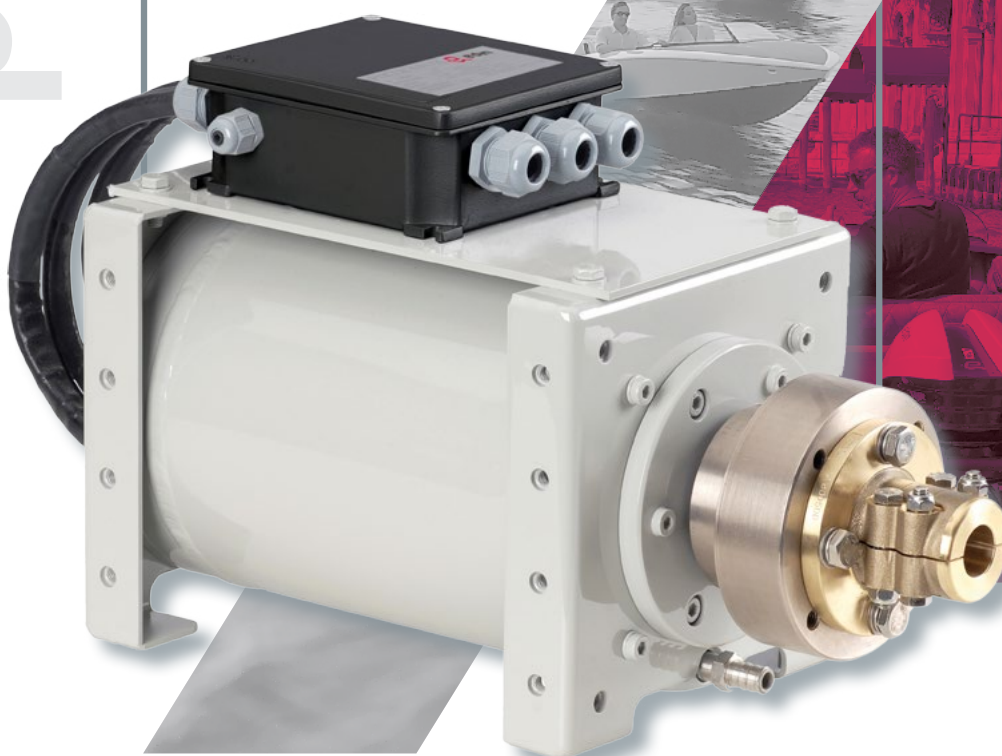
RATED VOLTAGE	36V	48V	48V
RATED POWER	4,3 kW	10 kW	10 kW
RPM ON OUTPUT SHAFT	1850	1000	1000
SYSTEM EFFICIENCY	85%	88%	88%
RATED CURRENT (A)	120A	200A	200A
WEIGHT	38 kg	47 kg	47 kg
DIMENSIONS	116 x 472 x 1130	551 x 178 x 1140	551 x 178 x 1140
TRIM	/	/	/
WATERPROOF	IP67	IP67	IP67
PROPELLER SHAFT	Standard	Standard	Standard
SUITABLE BATTERIES	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion or Lead acid



Internal motors for demanding users

E'DYN

Heavy duty



EXTRAORDINARY POWER AND DYNAMICS

Lively. Strong. Surprising.

**E'DYN WAS CREATED WITH
ONE THING IN MIND
- THE CUSTOMER.**

The Power motor range represents internal motors with power from 10kW to 150kW. We can also make a motor up to 1700kW to order. We adapted the batteries to the Power series. They provide long operating autonomy with their minimal weight and high power.



SURPRISINGLY DYNAMIC



**E'DYN
1018**

IN LI-ION

**E'DYN
2040**

IN LI-ION

**E'DYN
4070**

IN LI-ION

**E'DYN
5080**

IN LI-ION

**E'DYN
100 160**

IN LI-ION

**E'DYN
150 250**

IN LI-ION

	E'DYN 1018	E'DYN 2040	E'DYN 4070	E'DYN 5080	E'DYN 100 160	E'DYN 150 250
RATED VOLTAGE	48V	87,6V	216V	216V	360V	432V
RATED POWER	10 kW	20 kW	40 kW	50 kW	100 kW	150 kW
RPM ON OUTPUT SHAFT	1000	2500	2600	3000	3300	3100
SYSTEM EFFICIENCY	84%	/	/	91%	92%	94%
RATED CURRENT (A)	205A	210A	220A	220A	251A	320A
WEIGHT	45 kg	45 kg	66,5 kg	75 kg	126 kg	171 kg
DIMENSIONS	620 x 390 x 330	620 x 390 x 330	620 x 390 x 330	581 x 431 x 390	580 x 452 x 436	598 x 553 x 413
TRIM	/	/	/	/	/	/
WATERPROOF	IP55	IP55	IP55	IP54	IP54	IP54
PROPELLER SHAFT	Standard	Standard	Standard	Standard	Standard	Standard
SUITABLE BATERIES	Li-Ion or Lead acid	Li-Ion or Lead acid	Li-Ion	Li-Ion	Li-Ion	Li-Ion

E'DYN ADDITIONAL EQUIPMENT

E'DYN VISION

The future drive technology belongs to the electric motor.



GREEN TRAVEL EXPERIENCE

Advanced. Responsible. Surprised.

Our offer includes LiON batteries with a built-in BMS system which this ensures control and trouble-free operation. It prolongs battery life. Optimal packaging and interconnectivity of battery packs ensure a great distribution of batteries in your boat, including volume and weight.


2,5
kWh

8,1
kWh

10,5
kWh

11,6
kWh

13,1
kWh

CAPACITY [kWh]	2,5	8,10	10,49	11,60	13,10
CAPACITY [Ah]	50	160	205,2	228	256,5
NOMINAL VOLTAGE PACK [V]	51,1	50,4	51,1	51,1	51,1
VERSION	14S/20P	14S/56P	14S/72P	14S/80P	14S/90P
CELL MANUFACTURER	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
DIMENSIONS [mm]	300 x 180 x 350	794 x 540 x 205	500 x 410 x 290	500 x 410 x 290	500 x 410 x 290
BATTERY PACKAGES	3 pcs	1 pc	1 pc	1 pc	1 pc
WEIGHT [kg]	25	70	66	73	81
BATTERY CHEMISTRY	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC
CYCLE LIFETIME	1000c≥80%	500c≥80%	500c≥80%	500c≥80%	500c≥80%

14,5
kWh

45
kWh

50
kWh

56
kWh

62
kWh

CAPACITY [kWh]	14,50	44,90	49,90	56,10	62,40
CAPACITY [Ah]	285	205,2	228	256,5	285
NOMINAL VOLTAGE PACK [V]	51,1	73	73	73	73
VERSION	14S/100P	20S/72P	20S/80P	20S/90P	20S/100P
CELL MANUFACTURER	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
DIMENSIONS [mm]	500 x 410 x 290	500 x 410 x 290	500 x 410 x 370	500 x 410 x 370	500 x 410 x 370
BATTERY PACKAGES	1 pc	3 pcs	3 pcs	3 pcs	3 pcs
WEIGHT [kg]	90	277	306	342	378
BATTERY CHEMISTRY	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC
CYCLE LIFETIME	500c≥80%	500c≥80%	500c≥80%	500c≥80%	500c≥80%

silent sunset


75
kWh83
kWh

CAPACITY [kWh]	74,80	83,20
CAPACITY [Ah]	205,2	228
NOMINAL VOLTAGE PACK [V]	73	73
VERSION	20S/72P	20S/80P
CELL MANUFACTURER	SAMSUNG	SAMSUNG
DIMENSIONS [mm]	500 x 410 x 290	500 x 410 x 370
BATTERY PACKAGES	5 pcs	5 pcs
WEIGHT [kg]	462	510
BATTERY CHEMISTRY	LiNMC	LiNMC
CYCLE LIFETIME	500c \geq 80%	500c \geq 80%

E'dyn offers a complete system consisting of engine, discharge, controller, lithium batteries.

94
kWh104
kWh112
kWh125
kWh

CAPACITY [kWh]	93,60	104,00	112,30	124,80
CAPACITY [Ah]	256,5	285	256,5	285
NOMINAL VOLTAGE PACK [V]	73	73	73	73
VERSION	20S/90P	20S/100P	20S/90P	20S/100P
CELL MANUFACTURER	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
DIMENSIONS [mm]	500 x 410 x 370	500 x 410 x 370	500 x 410 x 370	500 x 410 x 370
BATTERY PACKAGES	5 pcs	5 pcs	6 pcs	6 pcs
WEIGHT [kg]	570	630	684	756
BATTERY CHEMISTRY	LiNMC	LiNMC	LiNMC	LiNMC
CYCLE LIFETIME	500c \geq 80%	500c \geq 80%	500c \geq 80%	500c \geq 80%



CHOOSE

extra

E'DYN ADDITIONAL EQUIPMENT



Displays

We adjusted the screen layout. Let just be amazed by the magical colors and crystal purity of e'dyn color systems. On the screen you can check the power consumption, battery status, speed and location. Round screens are available in 3, 5, 7 or 9 inch sizes.

* Available in 2021/2022



E'DYN ADDITIONAL EQUIPMENT



Handle

The new lever allows you to mount it on all e'dyn systems. It can be left or right, with two motors or on a flat surface. We thought of everything. Its advantage is additional protection with a magnetic key.

* Available in 2021/2022



Speed handle / Triller

We enabled all outboard engines to use a classic handlebar for a comfortable ride.

* Available in 2021/2022

COMFORTABLE
DYNAMICS





Solar cells

Solar energy takes care of recharging the batteries of your charger. In this way, we ensure an independent supply from electrical connections and support green energy. The financial savings are not negligible either.

* Available in 2021/2022



Aggregates

We are aware that in certain conditions, we can ensure the highest level of safety only with an additional unit. Keep electricity available even when all other options fail.

* Available in 2021/2022

E'DYN ADDITIONAL EQUIPMENT



Handy Pro App

You can easily control all our engines via the phone app.

* Available in 2021/2022



Motor bag

Small Free Time portable engines come with a portable bag that protects both the engine and your vehicle from damage and water residue.

* Available in 2021/2022



Phone holder

There is not always enough room to store your phone on boats. We have prepared two top phone holders, also with the addition of a wireless charging function.

* Available in 2021/2022



Charging station

Because we strive for complete solutions, we also offer a range of charging stations.

* Available in 2021/2022







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