2022 ELECTRINE Catalog



NEVER STOP GO AHEAD



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NEVER STOP GO AHEAD

with PURE ELECTRIC PROPULSIONS by **ELECTRINE**

We Exactly Know What We Can Do Best

ELECTRINE is applying ing hulls such as hyper battery power pack eq systems and digital n Things (IoT). ELECTRINE's End-to-F quiet, fuel-free electric d electric boats, exclu opulsion engine, h BMS, other electror system for Internet

novation will present you

Who We Are?

Have you ever played with a paper boat when you were young?

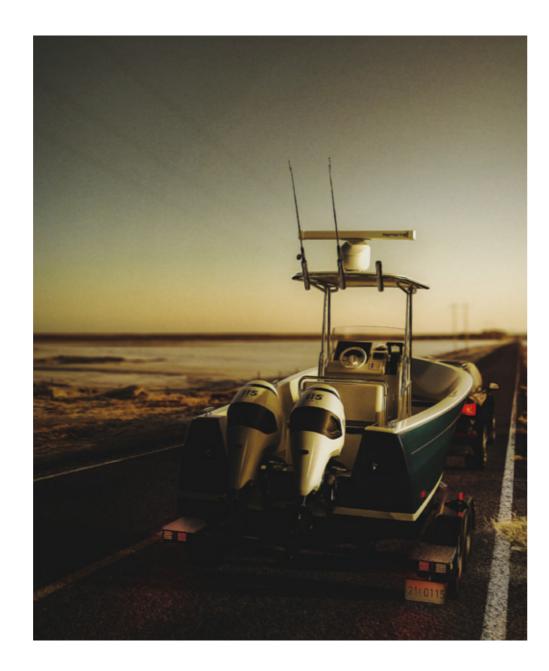
A paper boat silently floating like a could in the sky. Every kid is excited about the first boat of his or her own floating away, and so were you as well.

ELECTRINE has been focusing on a boat using the energy that never hurts the environment just like the paper boat from our childhood memories.

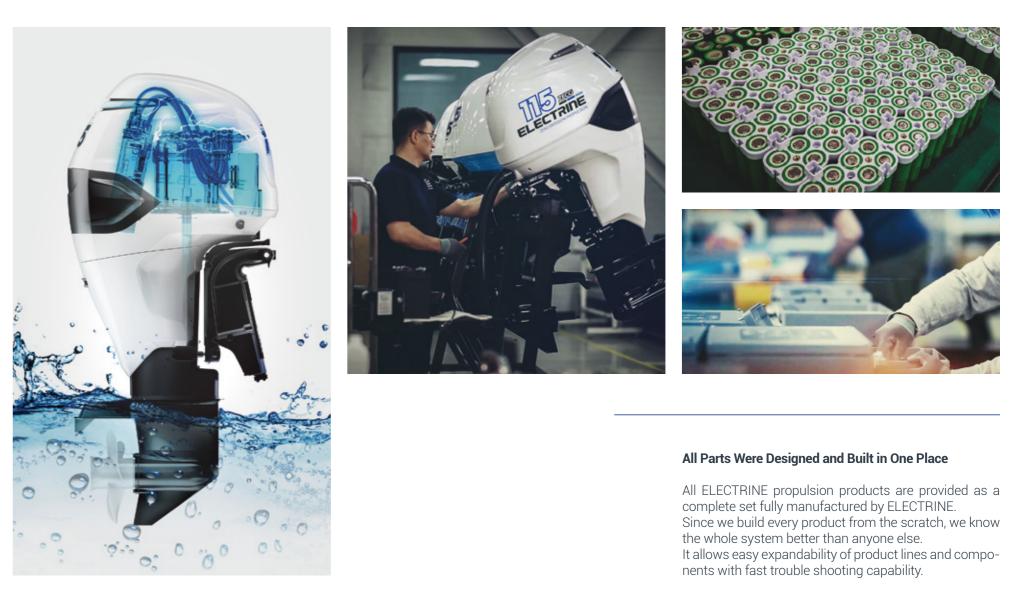
After numerous R&D and field tests, ELECTRINE was successfully able to introduce the first 100% full electric propulsion system for boats in the Korea market as well as the global market in 2016.

ELECTRINE is now recognized as one of the leading companies providing the best electric propulsion systems to the global market.

ELECTRINE never stops. ELECTRINE will go ahead.



All-in-one Package



ELECTRINE

INNOBIZ Vira.

KOMSA KOREA MARITIME TRANSPORTATION SAFETY AUTHORITY	CE	IS 900	
	ICI JCI	150 140	



Korean Intell
Property Off

O ELECTRINE

German Design Award Special 2022 llectual fice









LIGHTENING **Your Boat**

From the consistent effort on R&D for numerous years, we succeeded in manufacturing pure electric outboard and inboard propulsions that are absolutely safe to our precious marine environment and to people as well. You just enjoy your boat ride while ELECTRINE continues to do the work for environment, for energy saving, and more importantly for your safety.





e-OUTBOARD series

ELECTRINE e-OUTBOARD series guarantees a full satisfaction without any compromise for your choice.

"BETTER PERFORMANCE WITH BETTER CHOICE"

ELECTRINE e-OUTBOARD series is the core product lineup of ELECTRINE with the cutting-edge technology.





NEVER STOP GO AHEAD

Delivering Better Performance

NO COMPROMISE

There is nothing to compromise on your passion for the ocean. All fun factors are still with ELECTRINE e-OUT-BOARD series.

Electric pr

You keep enjoying the ride. We keep working hard on making a perfect pure electric propulsion system that suits your needs. Saving Fuel & Maintenance Cost

Protecting Marine Ecosystem



We are Ready to Show You The Next E-boat Technology

Superior performance with reliable stability cannot be achieved by everyone. ELECTRINE started to develop what others never imagined in 2010, and its endless effort made one of the best pure electric propulsion systems available in the world.

We, ELECTRINE, continue to develop the next technol-ogy that others cannot even dream about. We believe that it is possible because we are already in the future



The range of your fun is **UP** to **180HP**



Various lineups are available for your needs.

* All figures are subject to change for improvements.





ELECTRINE Makes an Efficient System

ELECTRINE designed all core parts from the scratch and make them all in house. That is why we proudly say that ELECTRINE products are reliable.

For Your Enjoyment Lasting Longer



ELECTRINE BATTERY PACKS can be added as many as you need.*

*all the information and conditions of your boat must be provided before the maximum battery pack load is calculated.





e-INBOARD series

ELECTRINE e-INBOARD series significantly reduces the annoying noise and vibration, while providing amazing power.

"SMOOTH OPERATION WITH POWERFUL PERFORMANCE"

ELECTRINE e-INBOARD series will provide unforgettable experiences on water. All products are suitable for both saltwater and freshwater. You can enjoy maintenance-free and cost-saving pure electric propulsion systems.







The range of your fun is **UP** to **350HP**

Various lineups are available for your needs. * All figures are subject to change for improvements.

POWERING THE FUTURE

ELECTRINE e-INBOARD Series provides stunning performance from 40HP to 350 HP with smooth delivery. Your ride finally meets the future.

ELECTRINE e-INBOARD Series are designed to perform the same or better than its engine counterparts while producing less noise and vibration.



e-SAILDRIVE series

ELECTRINE e-SAILDRIVE series provides the perfect balance between smooth sailing and quiet cruising.

"PERFECT BALANCE WITH SILKY SMOOTH RIDING EXPERIENCE"

ELECTRINE e-SAILDRIVE series was developed for true sailing enthusiasts gliding along on water with natural wind power. Supporting the eco-friendly spirit using natural power for the ride, ELECTRINE focused on that value of environmental friendliness. ELECTRINE e-SAILDRIVE series allows you to continue your valuable mission with more efficient and silent ride.







The range of your fun is **UP** to **110HP**

Various lineups are available for your needs. * All figures are subject to change for improvements.

CALM MOMENT

ELECTRINE e-SAILDRIVE series guarantees silky smooth riding experiences with the ultimate balance between sailing and e-cruising to fulfill your relaxing moments on water.

Now you fully enjoy your water activity while protecting beautiful marine ecosystem at the same time.

RELAXING IN THE QUIET MOMENTS



BATTERY

ELECTRINE BATTERY series has been designed for all different circumstances and conditions each boat and operation face. ELECTRINE BATTERY series can be applied and installed into any types of boats with various conditions.





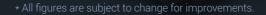
SAFE POWER

ELECTRINE seriously considers safety as priority. That is why we put our best effort on the safe design of battery modules and packs. All battery modules and packs meet the global safety standards.

The battery packs are installed after all safety checkups as well as performance tests.

Your safety and satisfaction matter to us.





Series

BF 345



As everyone's dream is different from each other, every customer has different needs. That is why we designed and developed ELECTRINE's battery module and packs from the scratch since we understand how important it is.

All ELECTRINE battery products meet the most safety regulations and requirements to guarantee your safetiness and maximize the performance to satisfy your needs at the same time. Your safety and satisfaction matter to us.





SUPER SAFE BATTERY POWERPACK TECHNOLOGY

Battery Heat Control System

Applied the CNT (Carbon Nano Tube) heat exchange technology / Maximizing battery efficiency even in low temperature

Battery Temperature Control System

Maintaining the optimal temperature to let the battery system operated as the best condition

Battery Control • Efficient control and management of Li-ion battery

Optimized Battery Case for Water Resistance

• IP67-level waterproof (Protected from immersion up to 1m in depth)

Easy Battery ReplacementOne-touch battery swapping system

External Material

• P.P is applied to absorb shock, high elasticity, acid resistance, lightweight and scratch resistant

• The influence of external temperature and maintains internal temperature consistently with its heat fiber and cooling pipe

Cooling System

 Maintains internal temperature and heat conduction by applying the copper pipe
Overheating prevention system by applying refrigerants

e-OUTBOARD series Max / Continuous Power (kW)

Max / Continuous Torque (N.m) Operational Speed (rpm) Operating Battery Voltage (Vdc) Efficiency at Optimal Operation (%)

Interface

Size (mm) Weight (Kg)

Interface

Communication

Communication

e-INBOARD series

Max / Continuous Power (kW) Max / Continuous Torque (N.m) Operational Speed (rpm) Operating Battery Voltage (Vdc)

Efficiency at Optimal Operation (%)

	Z
	-

YOU KEEP ENJOYING RIDE WE TAKE CARE OF THE REST

Your beautiful concerns on our environment is precious. However, we do not want you to compromise your fun on other considerations. Please leave those considerations for us. ease feel free to express your love for the boat ride. ur job to make the 100% environmental friendly electric We do ou propulsions for everything bette

Size (mm) Weight (Kg)

BATTERY series

Nominal Voltage (Vdc) Nominal Capacity (Ah) Energy (kWh) Operating Voltage (Vdc) Charging Voltage (Vdc) Charging Current Discharging Current / Instant Communication / Master to Pack Operation Temperature (Ambient)	
Configuration	
Size (mm) Veiaht (ka)	
P Rating	

Max 80A (2.85 C-rate)

CAN 2.0b

6.2

-

-10℃~60℃

141 x 141 x 260

Daysailer / Racing Daysailer / Racing

5.8

46.5

3

5.8

40.5

649 x 400 x 1028

ZO 8	ZO 16	ZO 40	ZO 60	ZO 90	ZO 11	5	ZO 180
-	-	43 / 23	60 / 43	110 / 65	150/84		173 / 133
-	-	72/31	167 / 78	255/105	251 / 14	2	555 / 248
-	-	0-8,000 72~96	0-7,160 288~384	0-10,250 288~384	0-8,000 288~384	4	0-6,204 288~384
-	-	90	288~384 90	200~304 92	200~30	+	288~384 90
-	-	Cooling :	Cooling :	Cooling :	Cooling	:	Cooling :
		Heat Exchanger Type	Heat Exchanger Type	Heat Exchanger Type		changer Type	Heat Exchanger Type
-	-	CAN 2.0b	CAN 2.0b	CAN 2.0b	CAN 2.0	b	CAN 2.0b
					RS232		
-	-	575 x 410 x 1425	575 x 410 x 1425	728 x 479 x 1574		'9 x 1574	-
-	-	95	110	150	150		-
ZI 40	ZI 60	ZI 90	ZI 115	ZI 180	ZI 270)	ZI 350
43 / 23	60 / 43	110/65	150/84	173 / 133	200 / 20	0	250 / 246
72/31	167 / 78	255 / 105	251 / 142	555/248	2,100 /1	,225	2,700 / 2,230
0-8,000	0-7,160	0-10,250	0-8,000	0-6,204	0-3,500		0-3,375
72~96	288~384	288~384	288~384	288~384	500~73	8	500~738
90	90	92	90	90	94		94
Cooling : Heat Exchanger Type	Cooling	: changer Type	Cooling : Heat Exchanger Type				
CAN 2.0b	CAN 2.0		CAN 2.0b				
UAN 2.00	CAN 2.00	CAN 2.00	RS232	CAN 2.00	UAN 2.0	D	UAN 2.00
390 x 359.4 x 322.6	390 x 359.4 x 322.6	664.2 x 468 x 475.4	664.2 x 468 x 475.4	-	902 x 12	200 x 733	902 x 1200 x 733
-	-	93.5	93.5	-	500		500
BP 36 (Portable)	BF 86 (Fixed)	BF 345 (Fixed)	BR 654 (Rack)	e- SAILDRIVE se	eries	ZS 8	ZS 16
		\ - /	(,				
36	86.4 (43.2 x 2ea)	345.6 (86.4 x 4ea)	654.3 (43.6 x 15ea)	Max / Continuous Pow		8/6	16/11
28	168 (84 x 2ea)	98	154	Operational Speed (rpr	n)	0~3,100	0~3,100
1.008	14.52	33.87	100 (6.7 x 15ea)	Reduction Ratio	((1))	1.93:1	1.93 : 1
28.0 ~ 41.0	67.2 - 98.4	288 - 384	654.3 V	Rated Battery Voltage	(VdC)	48	48
41.5	98.4	393.6	736 V	Communication		CAN 2.0b	CAN 2.0b

MAX. 154 (1 C-RATE)

1899 x 580 x 886 ± 10

720 ± 5 (Module : 45 x 15)

CAN 2.0

IP55

-20 ℃ ~ 60 ℃

15 Module

Standard 14A (0.5 C-rate) Standard 84A (0.5 C-rate) Standard 30A (0.3 C-rate) 77A (0.5 C-RATE)

Max 280A (2.85 C-rate)

CAN 2.0b

4 Module

-10℃~60℃

188 (47 x 4)

IP67

1000 x 830 x 314

Max 240A (1.43 C-rate)

CAN 2.0b

4 Module

80 (20 x 4)

IP67

-10℃~60℃

485 x 830 x 298

Installation Optimal to

Size (mm)

Weight (kg)

Min. Regenerating Speed (Kn)

Max. Regenerating Output (kW)

* Further Release : ZS 25, ZS 40, ZS 90, ZS 110



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