

WOLONG
Power your future

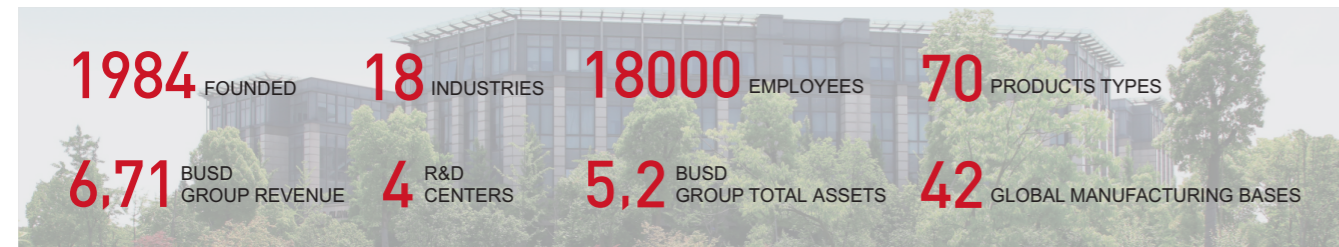


WOLONG ELECTRIC OUTBOARD MOTOR

About Us

Wolong is a listed company with more than 50 first-level subsidiaries. As a global leader in the field of motor and drive control, it has been driven by technology and the market for decades, and has taken advantage of the resources and platforms of global operations.

In recent years, Wolong has followed the development trend of "double carbon" and "digitalization" to build an industrial structure focusing on intelligent manufacturing and solutions, covering industrial Internet of Things, industrial automation, energy management, real estate, and non-ferrous metal processing sweaters. Committed to providing safe, efficient, intelligent, green motor power system solutions and full life cycle services to global users.



Global Layout



Listed Company

Wolong Electric Group
SH600580

Wolong Resources
SH600173

Brook Crompton Holdings Ltd.
Singapore

Brand Community



Electrified Traffic

As a global leader in the field of motors and drives, Wolong adheres to the concept of green and low-carbon sustainable development, and develops business layout in the electric travel fields of ocean, land and aviation. All fields can provide all-electric green drive solutions, as well as shore-based power supply and electrified railway power systems, to help global transportation transform from traditional fuel to clean energy, and to help achieve "carbon peak" and "carbon neutrality".



Applications

- 01** | Electric Car
- 02** | Electric Boat
- 03** | Electric Aircraft
- 04** | Electric Assist Bicycle
- 05** | Shore Power
- 06** | Electrified Railway Power System

WOLONG MARINE

Wolong Marine Technology Co., Ltd. is a subsidiary of Wolong that focuses on the electric marine application. Professionally provide electric outboard motors, pod, marine batteries and electric propulsion system solutions. Convert to clean energy and achieve the goal of green and low carbon.



Product Range

Outboard



Flowstar 1kW



Flowstar 1.5 kW



Explorer 6kW



Wolong 40kW

Pod



epod 1kW



epod 1.5 kW



epod 6kW

Control



Tiller



Dual mount control



Remote control console



Side mount control

Interface



WMG 30



WMG 70

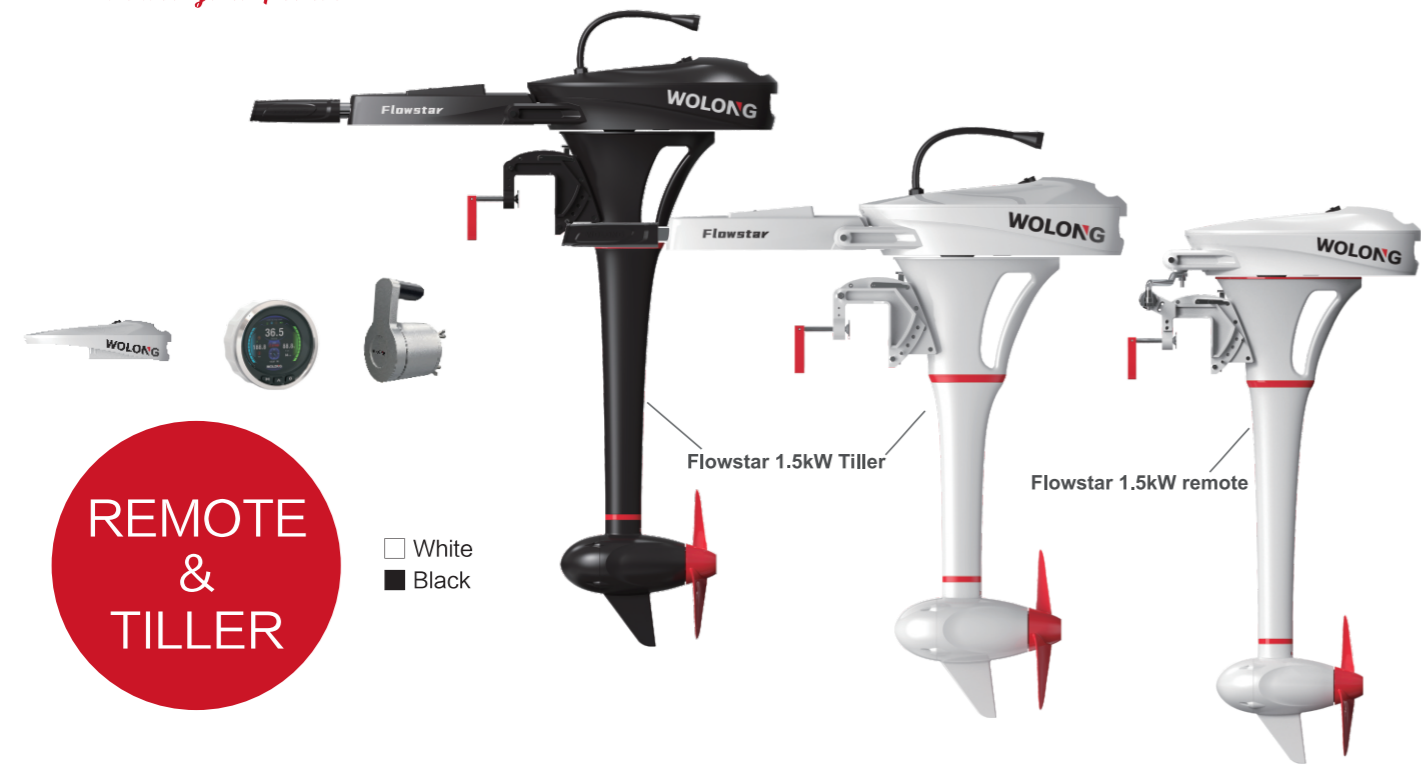


Flowstar 960wh battery



48V 4.5kWh battery

Battery



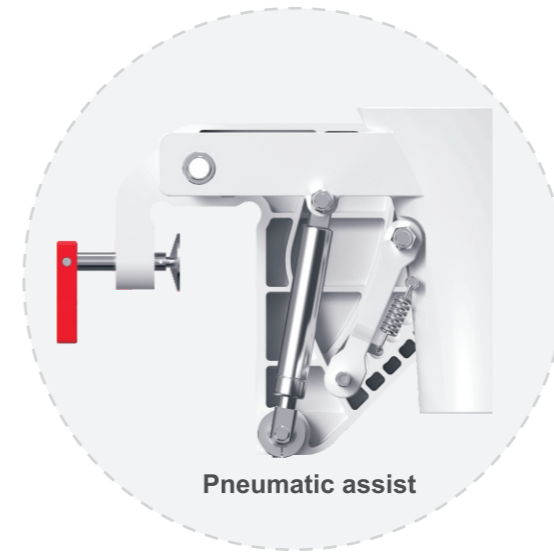
Flowstar

Small boats and sailboats

- High efficiency
- Stable and reliable
- Easy to carry & operate, maintenance-free
- Unique and novel appearance
- Expanded applications with Bluetooth, GPS, NB
- Color: white, black
- Hydrogeneration

Specification

	Flowstar 1.0kW	Flowstar 1.5kW
Power	1kW	1.5kW
Input Voltage	36-57.6V	
Rated Voltage	48V	
Motor type	PMSM	
Communication	CAN	
Control handle	Remote / Tiller	
Motor Control	FOC	
Propeller RPM	1200rpm	1800rpm
Battery capacity	960Wh	
Battery life	800 cycles at 80% DOD	
Motor Weight	12kg	
Battery type	li-ion polymer	
Shaft length	S, L, XL	
Charging time	Fast charger 3hours, standard charger 8 hours	
Trim/Tilt Angle	7° , 14° , 21° , 28° / 70°	
Battery Weight	5.5kg	
Interlligent Interaction	Bluetooth, GPS, NB	
Propeller size	11" *5.8" inch 2-blades	7.87" *5.35" inch 3-blades



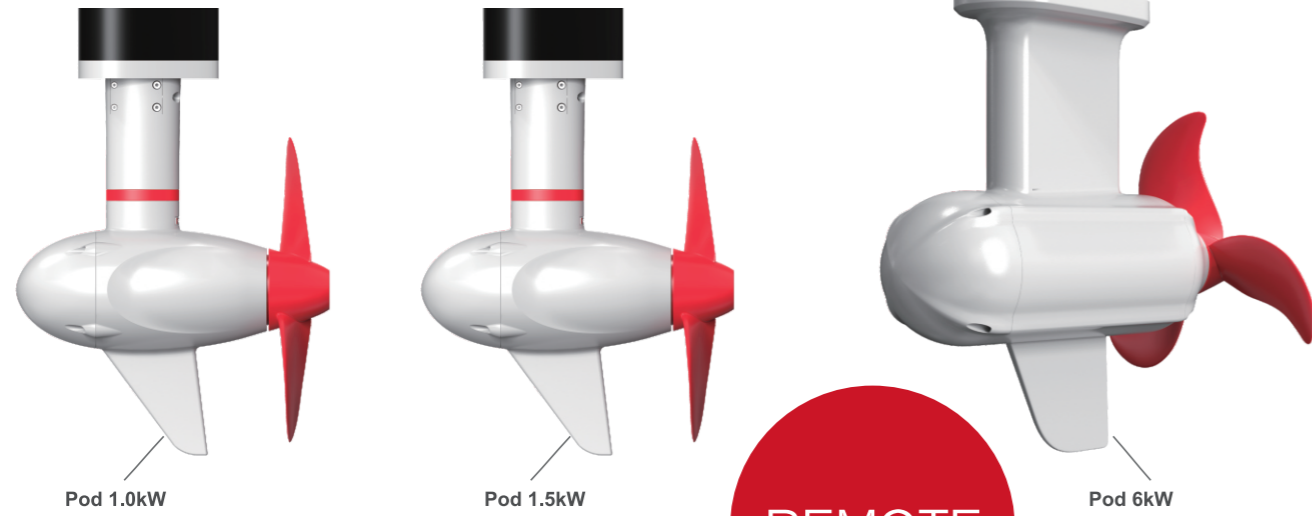
Explorer

Sailing boats, sightseeing boats
working boats, traffic boats, etc.

Specification

- High efficiency and low power consumption
- Stable and reliable with low failure rate
- Easy to carry & operate, maintenance-free
- Unique and novel appearance
- Expanded applications with Bluetooth, GPS, NB
- Hydrogeneration

Power	6kW
Input Voltage	48V
Motor Weight	36kg
Motor type	PMSM
Communication	CAN
Control handle	Remote / Tiller
Motor Control	FOC
Propeller RPM	1500rpm
Trim/Tilt Angle	7° , 14° , 21° , 28° / 70°
Shaft length	15 / 20 / 25inch
Interlligent Interaction	Bluetooth, GPS, NB
Propeller size	3.4" * 8.5" 3-blades



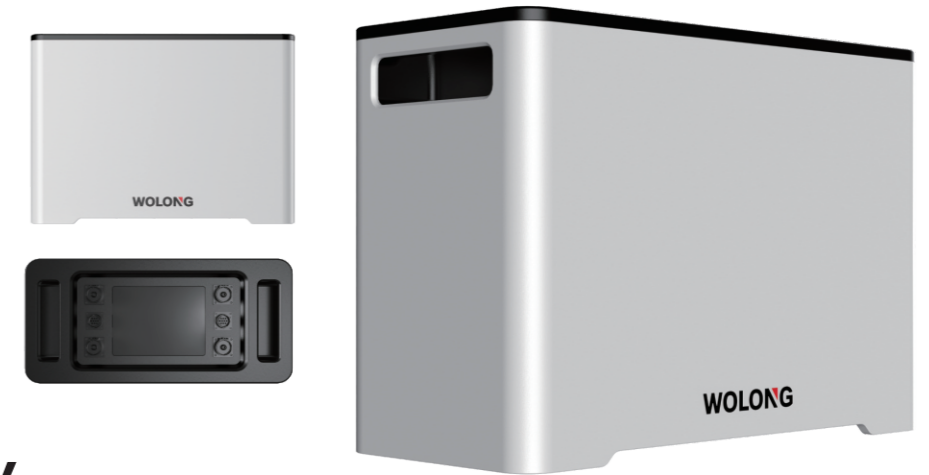
ePOD

Ultralight dinghies, small boats, entry-level small sailboats.

High efficiency and low power consumption	Stable and reliable with low failure rate	Maintenance	Unique and novel appearance	Expanded applications with Bluetooth, GPS, NB

Specification

	Pod 1.0kW	Pod 1.5kW	Pod 6kW
Power	1.0kW	1.5kW	6kW
Input Voltage		48V	
Motor Weight	5kg	5kg	18kg
Motor type		PMSM	
Communication		CAN	
Motor Control		FOC	
Control handle		Remote	
Horsepower	3HP	4HP	9.9HP
Propeller RPM	1200rpm	1800rpm	1500rpm
Propeller size	11" * 5.8" inch 2-blades	7.87" * 5.35" inch 3-blades	3.4" * 8.5" 3-blades



Lithium battery

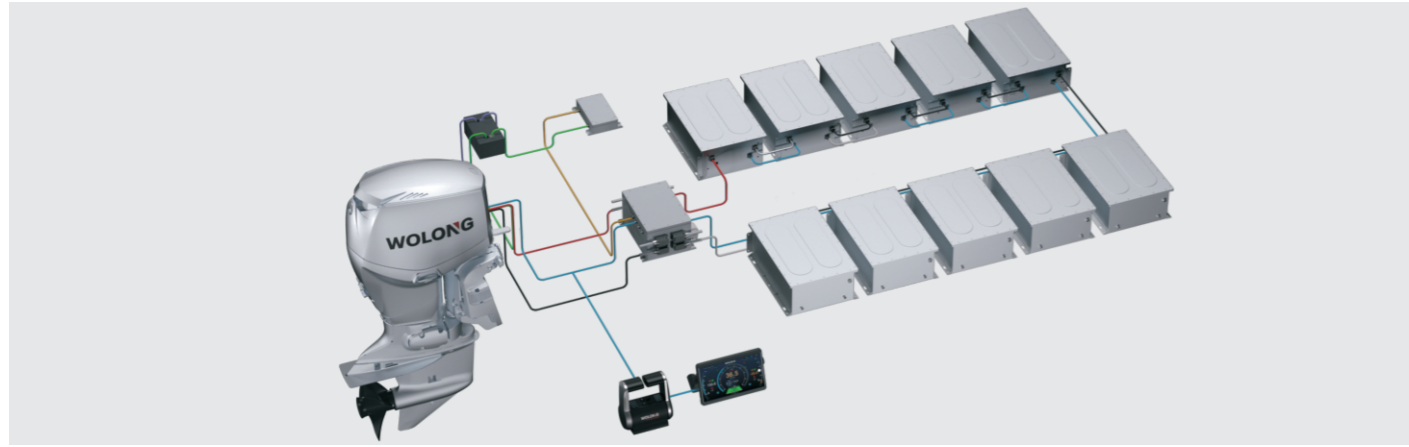
Small craft

Specification

	High-efficiency charging	Capacity	4500kWh
	High energy density, weight and volume greatly reduced	Rated Voltage	51.2V
	Long cycle life with 3500 times	Weight	43kg
	A variety of capacities to meet different needs	Dimensions	540X240X350mm
		In parallel	8
		Battery life	3500 cycles at 80% DOD
		System charging termination voltage	57.6V
		System discharge termination voltage	41.6V
		Recommended configuration	Flowstar, Explorere, Pod
		Type	LFP

Parallel Connection
Up to 8 units can be used in parallel connection. It's flexible enough to configure for a large capacity battery set.

Wide Input Voltage Range
From 85 VAC to 265 VAC. It's available to use worldwide



Wolong 40kW electric outboard motor

Specification

Input power	40 kW / 60 Hp
Input Voltage	262.5 V~420 V
L*W*H [mm]	792*417*1580
Total Weight	125 kg

Motor	
Motor type	PMSM
Input Voltage	240 V AC
motor weight	38 kg
Motor efficient	94%
Motor rated torque	80Nm @5500rpm
Motor maximum speed	9000rpm
Motor Control	FOC
Motor Size	φ 220 * L230
Propeller RPM	2360 rpm
Recommended stern height	65.8 cm
Control handle	Tiller
Ambient temperature	- 5~ 45 °C
Cooling	water cooled
IP	67



controller	
Input Voltage	350 V DC
Input power	42 kW
Input current	120 A
Fundamental frequency	0 ~ 433 @0 ~ 6500rpm, 2p=8
Ambient temperature	- 5~ 55 °C
Cooling	water cooled

propeller	
gear ratio	2.33: 1
propeller brand	Honda
propeller material	Aluminum alloy
Propeller diameter and pitch	14*11 inch
Number of propeller blades	3



Flowstar Controls

Offers excellent compatibility between different control systems. They have all been developed under same system platforms, and work seamlessly with motors components.

Remote control



Dual remote control



Remote Control (console)



side mount

Tiller



Tiller Handle Assembly

Interface



WMG 30



WMG 70