

2 Important Notes before Start

The SPIRIT 1.0 electric outboard motor is designed to offer clean propulsion and excellent experience on water. For safety reasons, please read the following instructions and notes before using this product. By using this product you hereby: 1) agree to these notes and instructions; 2) agree not to use this product for purposes that infringe upon or contravene laws and regulations; 3) agree to be responsible for your own conduct while operating this product.

2.1 Outboard

 **WARNING**

- Only allow adults who have thorough understanding of this manual to operate this product.
- **Always have a paddle on board especially if the electric outboard motor is the only propulsion system.**
- Familiarize yourself with all the outboard operations, including start/stop, steering and tilting.
- Check the status of the outboard and battery level before each trip.
- Follow the boat manufacturer's instructions on the maximum allowed outboard power of your boat, do not overload the boat or the outboard.
- Take serious of battery safety. Follow battery instructions, avoid short-circuit, overheat, overcharge and over-discharge.
- Only run the outboard while the propeller is under water.
- Stop the outboard immediately if someone falls overboard.
- Tilt up the outboard above water after use.
- Wash the outboard with fresh water after operating in salt water.
- Do not leave the outboard in the water if the boat is driven by other forms of power such as sailing or rowing.
- If an error code displays and the outboard malfunctions, please reset the throttle to zero position and cut the power off, then refer to the Warning Information to acquire the solution to the error.

- For protection considerations, the motor will stop immediately if the battery voltage drops below the critical level during operation or when running.
- To keep electric connectors in good condition, please spray the connectors about every 3 months with contact spray.
- To store the outboard motor, put the machine in original ePropulsion package and keep it in a dry and ventilated place without direct sun exposure.

2.2 Battery

The SPIRIT Battery specially designed for SPIRIT 1.0 can only be charged with an ePropulsion original charger. The battery has a built-in battery management system which provides cell balancing function, over charging protection, over discharging protection, short-circuit protection, over temperature protection, under temperature protection, over current protection, communication function, etc. Though the battery has been tested to be reliable and safe during normal operation, it should be handled with care as safety is critically important. Please adhere to the following instructions when using it.

WARNING

- Do not drop, strike or squash the battery.
- Do not disassemble the battery or conduct unauthorized repair, the battery disassembly can only be conducted by ePropulsion service.
- Never charge a broken or damaged battery.
- Only charge the battery with an ePropulsion original charger.
- Do not charge the battery near flammable materials like carpet or wood.
- Disconnect charger when not in use.
- Though the battery is IP67 waterproof, it's suggested not to immerse it in water or store it in moist environment.
- Keep conductive objects away from the discharging port and charging port to avoid damage of electronic components.
- Use the port cap to avoid accidental short-circuit.

- Never discharge the battery below 33V.
- Store the battery in dry environment.
- Charge the battery immediately after full discharge.
- **Before long time storage, ensure the battery charge level is 60% around, store the battery in 15°C ~ 25°C (59°F ~ 77°F) ambient temperature. If the battery level is larger than 60% for more than ten days without activity, the battery itself will discharge with a small current around 100mA until it reaches the 60% battery level.**
- Battery will actively discharge to 75% after 20 days without charging or discharging.
- If battery level is low for a long time, it will enter sleep mode. Charge to wake it up.
- **During long time storage, activate the battery every 3 months by a charge condition and keep the battery charge level at 60% around. This activation is very important and it can help to keep the battery in good condition.**
- After long time storage, fully charge the battery before use.
- Do not leave the battery in a hot or pressurized container, such as trunk of the vehicle on hot days.
- Dispose of unusable or damaged batteries in a container specially reserved for this purpose, follow appropriate local guideline and regulations. For further information you can contact your local solid waste collecting point or your dealer.
- Never dispose the battery as general household waste or in fire.