

Spirit1 Technical Specifications

Motor

Battery

Input Power (from battery)	1KW	Battery	1018Wh Lithium Polymer
Propulsive Power (thrust x speed, shaft power x propeller efficiency)	500W	Rated Current	24.6A
Comparable Gasoline Outboards (propulsive power)	3HP	Final Charging Voltage	46.2V
Comparable Gasoline Outboards (thrust power)	4HP	Cut-off Voltage	33V
Max Overall Efficiency	50%	Temperature Range Operation	-10°C~40°C / +14°F - 104°F
Max Propeller Speed	1200rpm	Battery Charge Time (empty to full)	Standard charger: 5.1hrs Fast charger: 2.2hrs
Static Thrust	66lbs	Cycle Life (to 80% of rated capacity)	> 500 cycles

Size and Weight

Drive

Weight (including battery)	S: 18.6kg / 41lbs L: 18.9kg / 41.6lbs	Control	Tiller or remote bluetooth throttle
Weight (w/o battery)	S: 9.8kg / 21.5lbs L: 10.0kg / 22.1lbs	Trim Device	4 Steps (0°,7°,14°,21°)
Weight of Battery	8.8kg / 19.5lbs		
Battery Size	416mm x 275mm x 202mm		
Shaft Length (top of transom to centre of propeller)	S: 575mm / 24.8in L: 750mm / 29.5in		
Propeller	Dia 280mm Pitch 147.32mm		

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