

Dolphin Series

LIVOLTEK

Electric Outboard Motor



06-11 HP



- **Internet of the boat:** remote real-time intelligent monitoring.
- **Easy to operate:** one click start, stepless speed regulation, fast response.
- **Low usage cost:** electricity cost are much lower and more stable than petrol or diesel.



EDP003



EDP007



Application Scenarios

Dolphin series to be suitable for small fishing boats, dinghies, day sailing boats and cruising sailboats to provide efficient and clean power, suitable for seawater and freshwater.



Solution Diagram



Specifications

Model	EDP003L/S	EDP007L/S
Input power	3000W	6900W
Comparable petrol outboards	6HP	11HP
Static thrust	640N	1450N
Rated voltage	48V	48V
Input voltage	36-60VDC	36-60VDC
Weight (without battery)	21.0 (L) / 20.4 (S)	28.5 (L) / 27.8 (S)
Shaft length	762 (L) / 635 (S)	762 (L) / 635 (S)
Tilt/Trim	0°, 5°, 10°, 15°/60°	0°, 5°, 10°, 15°/60°
Propeller options (diameter x pitch)	260×190mm	295×303mm

Performance Test

3.0 kW electric outboard endurance test results

Power (Watt)	Speed (kph)	Running Time (h)	Total cruisingrange (km)
300	6	15.36	92.16
550	7.2	8.38	60.34
1000	8.5	4.61	39.18
1500	9.8	3.07	30.1
2000	11.7	2.30	26.91
2500	15	1.84	27.6
3000	16.6	1.54	25.56

*Performance data based on a 3.8m long aluminum boat operated by one person, powered by an EDP003L equipped with 2 sets of BLF-B5150 batteries (2.56kWh each, discharged to 10% remaining power) in calm lake water.

6.9 kW electric outboard endurance test results

Power (Watt)	Speed (kph)	Running Time (h)	Total cruisingrange (km)
500	6.5	18.43	119.79
1000	8.4	9.22	77.45
2000	11.6	4.61	53.48
3000	14.6	3.07	44.82
4000	19.1	2.3	43.93
5000	21.8	1.84	40.11
6000	24.5	1.54	37.73
6900	26.3	1.34	35.24

*Performance data are based on a 3.8m long aluminum boat operated by one person, powered by an EDP007L equipped with 4 sets of BLF-B5150 batteries (2.56kWh each, discharged to 10% remaining power) in calm lake water.