

An innovative power supply with a dedicated 30V Li-ion battery

- ▶ For optimal performance, the 12V provided by the service batteries is not sufficient.

SailForce motor is powered by its own 30 VDC Lithium Ion battery. When the winch is at rest, the battery pack is recharged smoothly from the boat's 12V service battery and consumes only 6A.

A smart choice that provides many advantages

- ▶ There is no longer any need to upgrade the capacity of the service battery bank.

Your service batteries are preserved. No more 130 to 350A inrush currents when using the winch as is the case for conventional motorization.

- ▶ The electrical installation has been redesigned. SailForce battery pack can be placed anywhere on board. Just connect it to any 12V cable available on board.

- ▶ Wiring is simplified: less bulky wires (6mm² cross section instead of the usual 35mm² one) and fewer cables (only 4 instead of 8).

- ▶ A compact and lightweight battery pack (1.5 kg, 280mm long, 88mm wide, 90mm high).



SailForce

Smart Electric Winch
by Ewincher®

At Ewincher, we have an aim and a passion for simplifying navigation under sail by making maneuvers easier.

Ewincher introduces SailForce, a new generation of electric winch combining new motor generation and estimated Hutton winch.

Available size 40 to size 70.

Advance command

Full control



Control all
winches on board

Essential command

Local control



For more
comfort

DISCOVER IN VIDEO



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SailForce

Smart Electric Winch



A major Innovation
that pushes the very
limit of conventional
solutions

by Ewincher™

www.ewincher.com

A REVOLUTIONARY CONTROL UNIT



▶ Variable speed

1. Variable speed on both winch speeds fast and slow
2. Safety switch - A simple two-fingers safety switch to prevent any accidental motor activation
3. Advance command displays in real time the line tension. It is unique in its category. This feedback allows the sailor to fine-tune the line and to detect unusual resistance.

▶ Innovative tension limiter for optimum safety

4. Super sensitive tension limiter - For each maneuvering program, you fix the limit for fast and slow speed, motor stops when limit is reached.

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5. A broad range of tension limit programs easy to choose (5') and fully configurable to adapt each boat uniqueness, you can configure a set of programs for each winch.

You can detect:

- ▶ main sail reaching the top of the mast
- ▶ a tangled reefing line
- ▶ a tangled knot
- ▶ a blocked genoa furler
- ▶ ...



A NEW GENERATION MOTOR WITH UNEQUALLED PERFORMANCES



▶ 1250W electrical power 65% efficiency minimum

With its 1250W electric power and 65% minimum efficiency, SailForce motor provides, at least, 800W of effective power.

This exceptional performance allows the use the same motor for winches from size 40 to 70.

▶ Much faster and incomparably more precise than conventional solutions

- >25% faster in fast speed than conventional electric winches with 12 VDC motor
- The only electric winch that allows fine-tuned at 0,4 inch/s, under high line tension load.

▶ 50% less energy consumption

The outstanding efficiency of the SailForce motor means that it requires half the energy needed by a conventional motor.