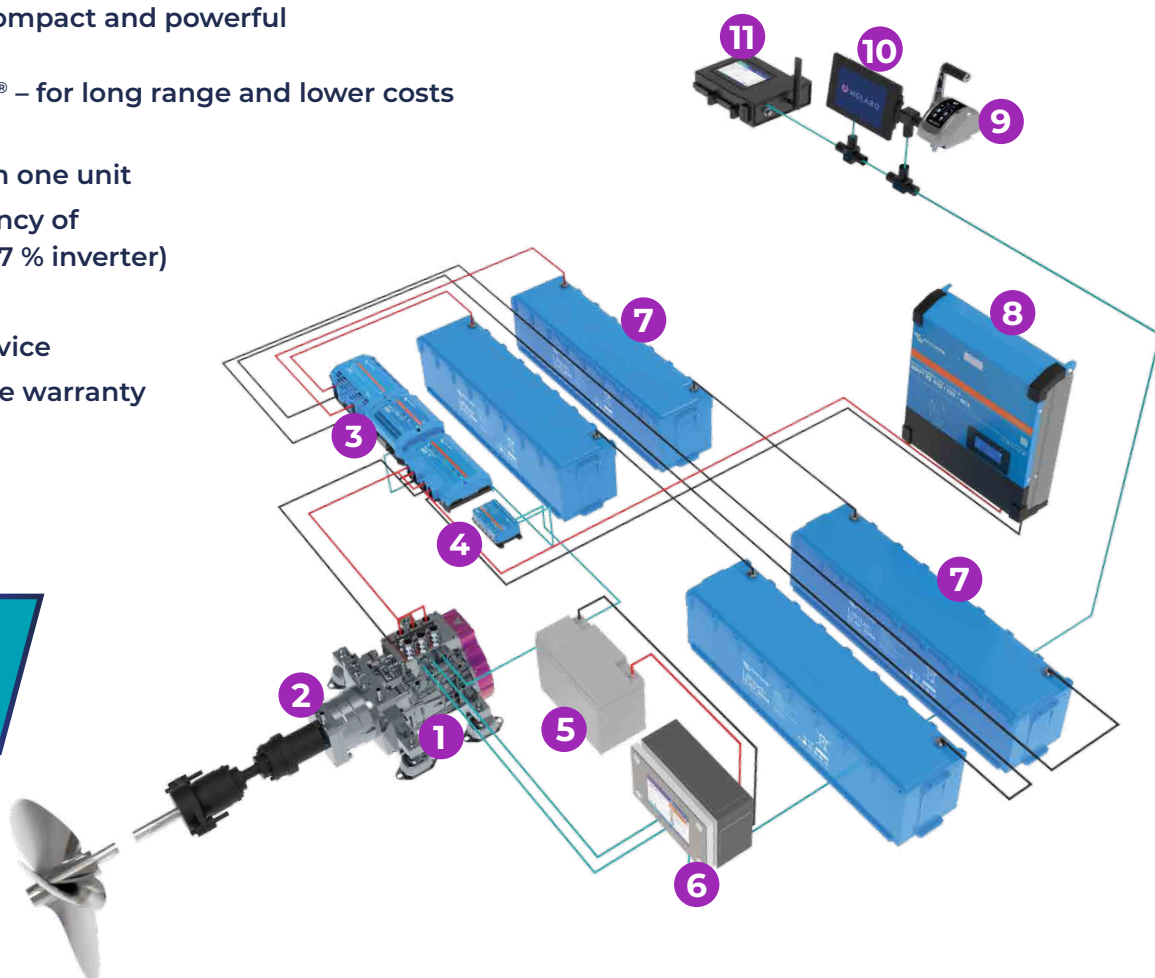


# ARIES i30 ELECTRIC INBOARD SYSTEM

For motorboats up to 8 m (26 ft) and displacement boats up to 10 m (33 ft) or 7 t.

- No high-voltage safety measures necessary
- Modular LFP battery banks:  
MASTERVOLT® – compact and powerful  
24 kWh | 36 kWh  
VICTRON ENERGY® – for long range and lower costs  
30 kWh | 45 kWh
- Motor + controller in one unit
- High system efficiency of  
94 % (97 % motor, 97 % inverter)
- Plug & play system
- Comprehensive service
- Extended worldwide warranty

**30  
kW**



## ARIES i30 - system overview with VICTRON ENERGY® components

- 1 ARIES i30 Electric Inboard Motor –**  
30 kW rated power,  
48 V safe-to-touch voltage
- 2 Planetary Gearbox (4:1) –**  
Compact and efficient torque conversion
- 3 VICTRON ENERGY®  
Battery Management & DC Distribution –**  
Reliable control and safety for energy flow
- 4 VICTRON ENERGY® Battery Controller –**  
Advanced monitoring of system  
health and performance
- 5 12 V Battery (not included) –**  
System start-up
- 6 MOLACONNECT S –**  
Central connection hub for  
streamlined installation
- 7 VICTRON ENERGY® LFP Lithium Battery Bank –**  
Modular configuration for flexible storage  
and space optimization
- 8 VICTRON ENERGY® Charger –**  
Plug & play charging solution for  
efficient energy replenishment
- 9 Throttle Control –**  
Available in side-mount or top-mount options
- 10 Display Unit –**  
Real-time performance data and system status
- 11 MOLALink (IoT Gateway) –**  
Cloud-connected data interface for remote  
diagnostics and updates

# Specifications ARIES i30

Nominal power	30 kW
Nominal voltage	48 V (44 V – 54 V full operation)
Max. voltage	58 V
Logic supply voltage	12 V
Weight motor incl. controller	44 kg
Weight gearbox 4:1	15 kg
Nominal speed	2,610 rpm
Nominal speed with gear 4:1	653 rpm
Max. speed	6,500 rpm
Max. speed with gear 4:1	1,625 rpm

Nominal Torque	110 Nm (with 4:1 gearbox: 440 Nm)
Dimension motor incl. controller	Ø 254 mm; L: 265.5 mm
Dimension with gear 4:1	Ø 254 mm; L: 457.5 mm
Motor type	PM-assisted synchronous reluctance motor
Communication	CAN-Bus
Protection class	IP67
Max efficiency	94 % overall (97 % motor, 97 % inverter)
Water cooling	Dual-circuit cooling, max. 35 °C flow temperature

## Range tables ARIES i30

Range ARIES i30 electric drive with **30 kWh** LFP battery bank (4 x 7.6 kWh modules)\*\*

	Speed in knots (km/h)	Running time in hh:mm	Range in nm (km)
<b>Eco</b>	6.5 (12)	06:00	up to 39.0 (72.2)
<b>Full Speed</b>	17.2 (31.9)	00:44	up to 12.7 (23.5)

\*\* Measured on motorboat, length: 6.05 m, weight approx. 1,270 kg.  
Depending on boat model, load, propeller and local conditions;  
speed and range information without guarantee.

Range ARIES i30 electric drive with **45 kWh** LFP battery bank (6 x 7.6 kWh modules)\*\*

	Speed in knots (km/h)	Running time in hh:mm	Range in nm (km)
<b>Eco</b>	6.1 (11.3)	09:00	up to 54.9 (101.7)
<b>Full Speed</b>	16.8 (31.1)	01:06	up to 18.6 (34.5)

\*\* Measured on motorboat, length: 6.05 m, weight approx. 1,370 kg.  
Depending on boat model, load, propeller and local conditions;  
speed and range information without guarantee.

## Charging times

**Shortest charging time 20 – 80 %  
with three chargers of 3 kW each\***

**30 kWh battery bank: approx. 1.5 hours**  
**45 kWh battery bank: approx. 2.2 hours**

\* Calculation of the shortest charging time refers to the  
charging process of 80 % of the nominal capacity.

