









Austal's VOLTA series is the future of commercial commuter ferry operations, with vessels that are better for the environment, better for passengers and better for operators.

Going well beyond a traditional powerplant replacement, Austal's VOLTA series introduces an all new, optimised hull form specifically designed for the electric drive and lithium ion battery technology that provides operators with a genuine advantage in a changing world and a competitive market environment.

based charging infrastructure and in-service support that minimises turnaround times and keeps your fleet moving.

* Images provided for illustration purposes only. Alternative equipment solutions are available to suit operational requirements.

and minimising environmental impact (such

as wave wash). Increasing transport efficiency = reduced

powering requirements = fewer batteries required = lower capex and operating costs.



Passenger Express 46 V

Electrification meets exhilaration.

The **Passenger Express 46** is an IACS-approved, electric passenger ferry, ideal for any inland waterway service operating within a high population, urban environment.

Featuring a striking design with capacity for between 400 and 450 passengers, the catamaran boasts a natural, light filled interior enabled by large, panoramic side windows and generous

skylights located along the entire length of the

Distinctive, double automatic sliding doors provide direct access to the passenger deck for quick loading and unloading of passengers; ensuring turnaround times 'alongside' never exceed your fast battery charging requirements.

An environmentally friendly, zero emission* electric high-speed ferry that delivers a superior passenger experience, greater efficiency and lower operating costs.

*subject to source of energy

Principal Dimensions

- » Length overall (LOA) 45.6m
- » Beam **12.3m**
- » Draft < 2m

Propulsion

- » Full electric 2 x permanent magnet motors
- » Propellers 2 x FPP, or CPP, waterjet or Azimuth
- » Batteries Full redundancy with 2 Lithium battery banks (one in each hull)

Payload and Capacities

- » Passenger capacity 400 to 450
- » Bicycle capacity 10
- » Crew capacity 3

Performance

- » Maximum speed 25+ knots
- » Maximum range per day >175 nm with 20% reserve
- » Minimum guaranteed battery life **7 years**

Plan view of main deck



Range per Charge (Influence of Speed and Schedule on Range)

Low Frequency Operations



