

Autonomous Charging Tower

ZPP800



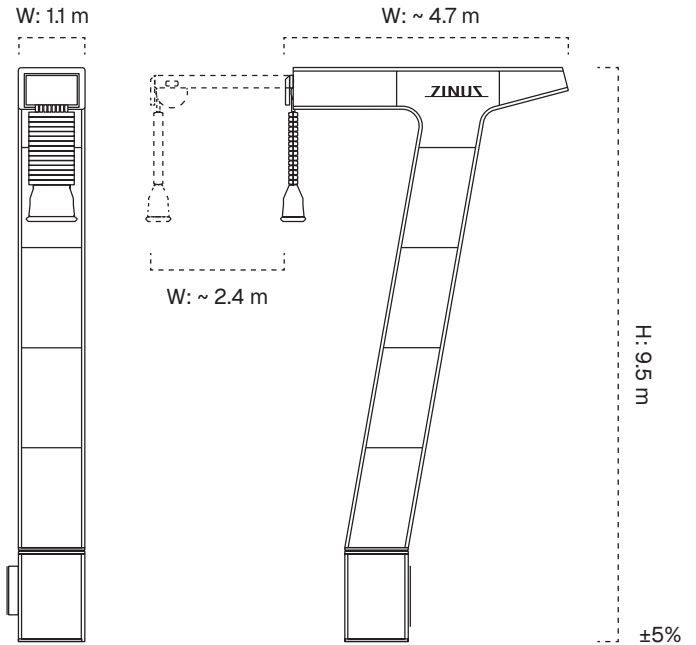
The ZPP800 is a fully autonomous cable management system developed for seamless shore power connection and high-power charging of vessels. Featuring automatic positioning and rapid connection to the onboard SWC200 connection unit, it eliminates the need for manual handling, maximizing vessel uptime. Its compact, robust design is engineered for reliable performance in harsh marine environments, with minimal maintenance requirements.

Product features

- Fully autonomous connection
- Fast connection (20–45 seconds)
- Telescopic boom and rotation for flexible reach
- Compensation for vessel movement
- Compact design for minimal quay footprint
- Robust enclosure for harsh marine environments
- Remote conditional monitoring
- Supporting both AC and DC

Options

- Remote control operation
- External LED lighting
- Pedestal (height adjustment)
- Modbus TCP interface
- Tidal compensation
- ZPP800LN for extended reach (approx 2.5 m longer reach)



Technical information

Cable length

9 m (with retracted telescope)

Cable configuration

4 or 8 power cables
(depending on capacity)

Rotation range

±90°

Operating temperature range

-25°C to +40°C

Ingress protection

IP56 minimum

Weight

4300 kg (standard configuration)

Electrical features

Voltage

DC: up to 1500 V

AC: up to 1000 V

Current (intermittent)

DC: up to 8000 A

AC: up to 3 × 4000 A

Current (continuous)

DC: up to 5520 A

AC: up to 3 × 2760 A

Control supply

3 × 400 V AC + N, 16 A

Compliance with

2006/42/EC

Machinery Directive

2014/35/EU

Low Voltage Directive

2014/30/EU

EMC Directive

Disclaimer: specifications are subject to change without notice.