

Coastal Buoy Shallow

VPU500/800

SeaHow[®]
by Arctia



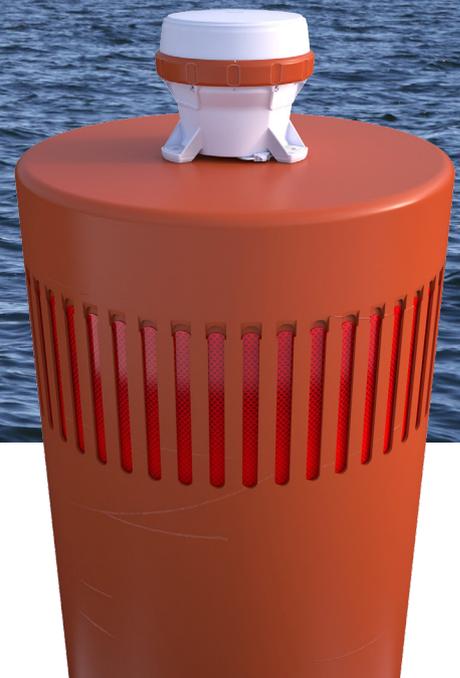
Navigation buoy with long life span

Coastal Buoy Shallow VPU500/800 is economically feasible navigation buoy with small draft and features that are equal to many steel buoys of similar size, but much more maintenance-free years.

VPU500/800 is designed for year-round use including high sea and ice covered areas. The moderate length and weight of the buoy enables easy handling.

The buoy is deployed in conventional way by sinker and slack chain. Using the side mooring eye enables the use in waters with current up to 4 knots and still have tilting less than 10 degrees.

The buoy can be equipped with any lantern in the market, self-contained or battery operated. Additional instrumentation and sensors of many kinds can be encapsulated inside the buoy body.



Area of use

Coastal and open sea
Ice covered sea areas
Areas with current
Platform for various use

Specifications

*) can be adjusted according to customer needs

Overall length *)	5.5 m	Retro Reflector	380 cm ² (3M diamond)
Diameter	500/800 mm	Radar Reflector	Trihedral TH500
Draft *)	3.0 m	Radar cross area RCS	20 m ² (X-band)
Wall thickness	20/30 mm	Surface color	IALA-E108
Polyethylene material	HD 100 extruded pipe	Color and UV stability	26 years (lat. 50) on main surfaces
Polystyrene filling	EPS 150 closed shell	Mooring sinker weight	4 - 6 ton
Dry weight without ballast	410 kg	Maximum current	4 kn/10 deg tilting
Required ballast weight	150 kg	Maximum wave height	5 m (significant)
Buoyancy at MSL	660 kg	Lantern *)	Sabik as default
Focal plane at MSL *)	2.5 m	Battery Capacity *)	220 Ah
Nautical conspicuity	3 NM	Top Mark	Optional

We can customize the buoys for your needs

