


Marine windfarms beaconing

Our EBM elastomer buoys are designed for the permanent or temporary beaconing of offshore windfarms, since they are able to hold heavy moorings.

FEATURES

- Float manufactured with closed-cell polyethylene foam sheet (no water absorption) and with a coloured polyurethane elastomer coat.
- Average operation lifetime over 20 years.
- Chromaticity according to IALA Recommendations.
- Detachable ballast weights for installation in different depths and with different chain sizes.
- Superstructure and tail available in different materials, heights and types depending on the conditions of the installation site.
- Float diameters: from 1.5 to 3.6 meters.
- Ready to fit self-contained lanterns.
- High resistance to corrosion and UV rays.
- Passive radar reflector up to 36m² RCS.
- Minimum maintenance.
- Manufactured with recyclable materials. 

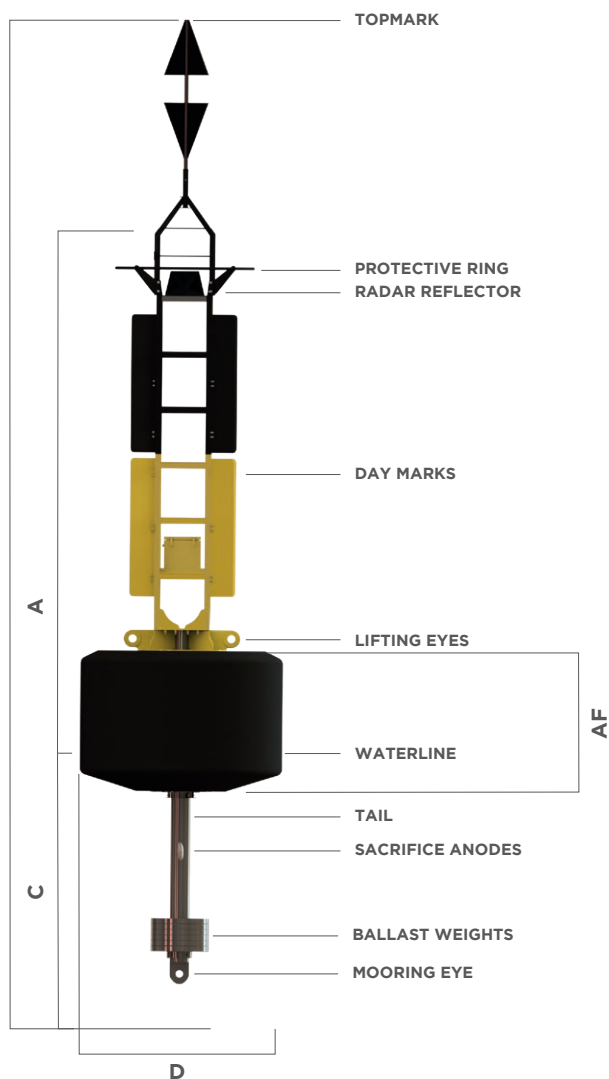


Thanks to its solid construction, the EBM buoys are virtually unsinkable, even against a strong impact. Besides, they can withstand repeated collisions without deforming.

Its main advantage lies in its float, of high elasticity and lightweight, manufactured with closed-cell polyethylene solid foam sheet (no water absorption) and with a coloured polyurethane elastomer coat.

The tail of the buoy is made from hot-dip galvanized steel, and designed to have a long service life under harsh marine conditions. The top structure of the buoy can be made from different materials and heights according to client's request.

Designed according to IALA Recommendations.



WINDFARM

EBM

Elastomer Buoys

Peripheral / Temporary buoys

! Specifications subject to change without previous notice.



EBM36HV elastomer buoy

	(D) Float diameter	(A) Focal Height	(AF) Float Height	(C) Draft	(H) Total height	Float Volume	Total weight	Max. chain
EBM15	1.5 m	2.7 m	0.83 m	1.9 m	5.5 m	1.3 m ³	467 kg	550 kg
EBM15F	1.5 m	2.7 m	0.83 m	1 m	4.5 m	1.3 m ³	532 kg	440 kg
EBM15HV	1.5 m	2.7 m	0.83 m	1.9 m	5.6 m	1.3 m ³	435 kg	565 kg
EBM18	1.8 m	3.5 m	1.33 m	2.22 m	7.2 m	3.1 m ³	1,145 kg	1,200 kg
EBM18F	1.8 m	3.5 m	1.33 m	1.50 m	6.6 m	3.1 m ³	1,235 kg	1,100 kg
EBM18HV	1.8 m	3.6 m	1.33 m	2.2 m	7 m	3.1 m ³	1,065 kg	1,240 kg
EBM20	2 m	4 m	1.33 m	2.3 m	8.1 m	3.73 m ³	1,217 kg	1,420 kg
EBM20F	2 m	3.5 m	1.33 m	1.6 m	6.6 m	3.73 m ³	1,459 kg	1,425 kg
EBM20HV	2 m	3.6 m	1.33 m	2.2 m	7.1 m	3.73 m ³	1,230 kg	1,600 kg
EBM22	2.2 m	4.6 m	1.33 m	3.2 m	9.5 m	4.5 m ³	1,346 kg	2,000 kg
EBM22F	2.2 m	3.6 m	1.33 m	1.5 m	6.6 m	4.5 m ³	1,511 kg	1,930 kg
EBM22HV	2.2 m	3.9 m	1.33 m	3.2 m	8.2 m	4.5 m ³	1,462 kg	1,970 kg
EBM25	2.5 m	5 m	1.33 m	3.60 m	10.4 m	5.8 m ³	1,570 kg	2,200 kg
EBM25F	2.5 m	4.7 m	1.33 m	1.65 m	7.90 m	5.8 m ³	2,015 kg	1,995 kg
EBM25HV	2.5 m	4.5 m	1.33 m	4.10 m	9.75 m	5.8 m ³	1,563 kg	2,207 kg
EBM30A	3 m	5.5 m	1.33 m	5.10 m	12.47 m	8.3 m ³	1,692 kg	4,550 kg
EBM30AF	3 m	5.2 m	1.33 m	1.60 m	8.37 m	8.3 m ³	2,285 kg	4,025 kg
EBM30AHV	3 m	6.2 m	1.33 m	5.10 m	12.50 m	8.3 m ³	2,107 kg	4,255 kg
EBM30B	3 m	6.0 m	1.53 m	4.90 m	12.47 m	9.7 m ³	1,864 kg	5,420 kg
EBM30BHV	3 m	6.3 m	1.53 m	5.0 m	12.50 m	9.7 m ³	2,274 kg	5,350 kg
EBM30C	3 m	6.2 m	1.83 m	4.65 m	12.47 m	11.5 m ³	2,040 kg	6,660 kg
EBM30CHV	3 m	6.6 m	1.83 m	4.70 m	12.50 m	11.5 m ³	2,455 kg	6,230 kg
EBM36HV	3.6 m	7.8 m	1.83 m	4.7 m	13.7 m	16.5 m ³	3,300 kg	4,125 kg

*Other volumes and heights available under request.



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Superstructure

Material:	Hot-dip galvanized steel. AISI 304 stainless-steel (for HV versions: with high-visibility superstructure).
Coating:	UV- and corrosion-resistant polyurethane paint.
Day mark:	GRP.
Top mark:	According to IALA Recommendation.
Radar Reflector:	10 m ² (X band). Other sizes available under request.
Solar modules capacity:	Up to 4 nos. solar modules of 75 W (maximum).
Batteries capacity:	Up to 200 Ah, in watertight cabinet with safety lock.
Lifting eyes:	Up to 4 nos., depending on diameter.
Hardware:	Stainless-steel.

Float

Diameter:	From 1.5 to 3.6 meters.
Material:	Closed-cell polyethylene foam sheet.
Coating:	Coloured polyurethane elastomer coat, UV resistant.
Top Surface:	Anti-sliding.

Tail

Material:	Hot-dip galvanized steel.
Ballast weights:	Treated steel, detachable.
Mooring eye:	1 no.
Protection:	Sacrifice anodes.

Options

Superstructure made from stainless-steel or marine aluminium.

High-visibility day marks.

Passive radar reflector available up to 36 m² RCS.

Active radar reflector.

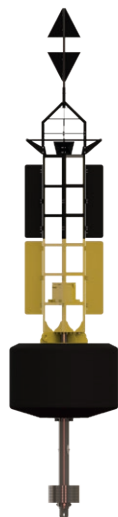
Cast-iron ballast weights.

RACON support structure.

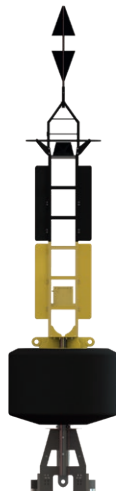
Other requirements available under request.

Versions

EBM Standard
EBM**



EBM Skirt
EBM**F



EBM High Visibility
EBM**HV



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