

# NexSens CB-25-SVS Wave Buoy

## Quick Start Guide

The CB-25-SVS Wave Buoy contains SeaView Systems' industry-leading SVS-603 wave sensor along with two external wet-mate sensor ports that support GPS, meteorological, and water quality sensors.



### Buoy Features

- Integrated SVS-603 wave sensor
- (3) 4-watt 12 VDC solar panels
- 4G cellular or iridium satellite telemetry
- Two external wet-mate sensor ports
- Net buoyancy: 25 pounds
- (3) 1.5" pass-through holes for underwater sensors

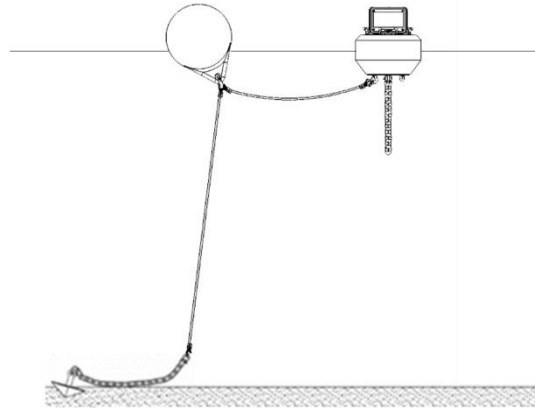


# NexSens CB-25-SVS Wave Buoy Quick Start Guide

## Tethering Options

**Important:**

Do not attach mooring equipment directly beneath the buoy as it may cause submersion. Utilize surface or subsurface tethered floatation devices to stabilize the buoy.

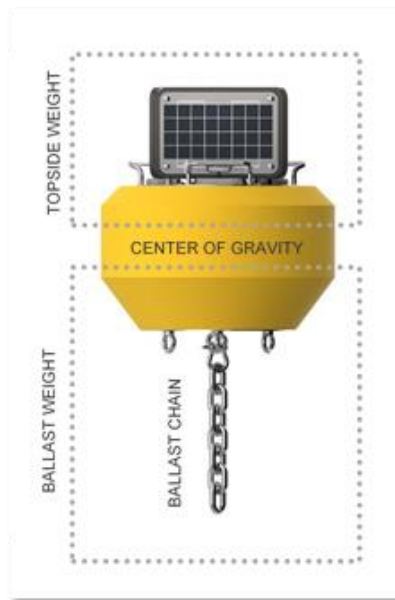


Extra floatation will free motion for wave measurement applications or offer additional resistance to horizontal loading.

## Ballast Weight & Stability

To prevent overturning and ensure stability, additional ballast weight may be needed.

As configured at the factory, the center of gravity of the buoy is near the water's surface. It is recommended to use at least 6lbs of galvanized chain for ballast; however, the exact weight is dependent upon the conditions at the deployment location.



**Warning:** Always follow safe marine and boating practices. Heavy anchors, ballast weights and chain require careful maneuvering. Small boats with limited lifting equipment and boat clutter can be unsafe. Care must be taken during deployment to maintain a clean and safe environment.

For additional information, please visit the CB-25-SVS Document and Resource Library located on the NexSens Knowledge Base website.

<https://www.nexsens.com/knowledge-base-v2/data-buoys/cb-25-svs>