

# COASTAL DATA BUOY 485

- Designed for open water estuarine & coastal environments
- Maximum flexibility in instrument and payload configurations
- Easy in-water deployment & recovery of instruments and payloads
- Robust construction for years of service
- 160 Watts of integral 12 volt DC solar power



## CDB-485 KEY SPECIFICATIONS

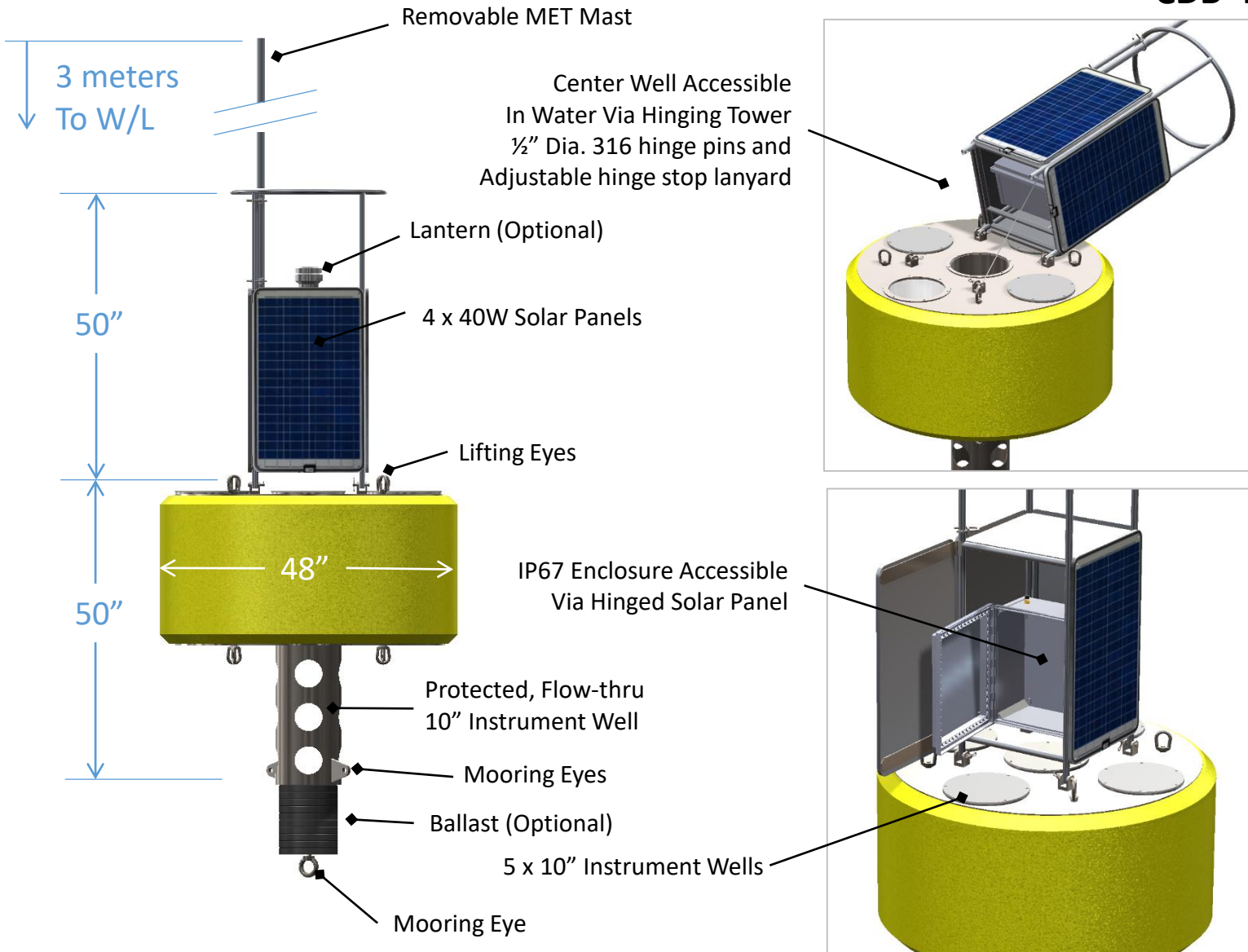
<b>Hull Dimensions:</b>	48" diameter x 50" tall
<b>Tower Dimensions:</b>	50" tall, 1" tubular construction
<b>Weight:</b> (less instruments & ballast)	380 lbs.
<b>Total Buoyancy:</b>	1300 lbs.
<b>Instrument Accommodations:</b>	<ul style="list-style-type: none"> <li>• Four (4) 10" thru-hull user configurable instrument wells</li> <li>• One (1) central 10" protected, flow-through, instrument well</li> <li>• One (1) integral IP67 instrument compartment (16" x 14" x 8")</li> <li>• Removable 3 meter MET mast, 1" aluminum pipe</li> <li>• Swap and deploy instruments from all locations without buoy recovery</li> </ul>
<b>Power Generation:</b>	160 Watts from four (4) 40-watt 12-volt DC, marine-grade, semi-flexible solar panels with wet-mate connector to instrument compartment <i>(Optional 56 and 84 A-hr storage battery system available, fits in central well)</i>
<b>Mooring Configuration:</b>	Single or Two point mooring
<b>Materials:</b>	Hull: Cross-linked polyethylene foam, polyurea coating with 316 stainless steel deck and hardware Tower: Marine grade 5052 aluminum

## MARITIME APPLIED PHYSICS CORPORATION

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**Available Accessories**

BAL-XXX	Configurable Ballast [When ordering, replace XXX in part number with desired ballast in 20 lb increments]
IC-10	Stainless Steel Omni-Mount Instrument Cage for 10" Wells *Compatible with existing CBIBS AXYS 10" instrument cages*
M550Y15	Self Contained Marine Lantern, Solar, 3nm Range, Yellow, 15 Flashes/minute
SPCC-12-4	Solar Panel Charge Controller, Installed
BATT-12-XX	56 and 84 A-hr, 12 Volt Battery System mounted in 10" center well [When ordering, replace XX in part number with 56 or 84 A-hr]

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