



SeaBattery[™]

**FULL OCEAN DEPTH
RATED**

**EXCELLENT CAPACITY
RETENTION**

FULLY INVERTIBLE

**VARIOUS VOLTAGES
AVAILABLE**



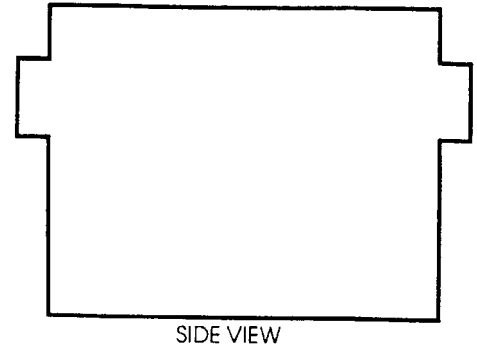
SeaBatteries[™] are a unique submersible power system designed to perform in the high pressure/low temperature environment of the deep ocean. Deployments to 6,000 meters have proven *SeaBatteries*[™] to be reliable at great depths. At the heart of each system is a maintenance-free, rechargeable, lead acid battery utilizing a non-liquid electrolyte. Each battery is pressure-modified and mounted in a virtually indestructible polyethylene case filled with inert oil. Built into the top of each case is a resilient urethane diaphragm providing continuous equalization with ambient pressure. The transparent diaphragm incorporates a molded valve assembly for filling and venting the *SeaBattery*[™]. It also permits visual inspection of the battery status. The dual seal design ensures a leak-free seal. Carrying handles are included on the case.

SeaBattery™ Specifications

MECHANICAL

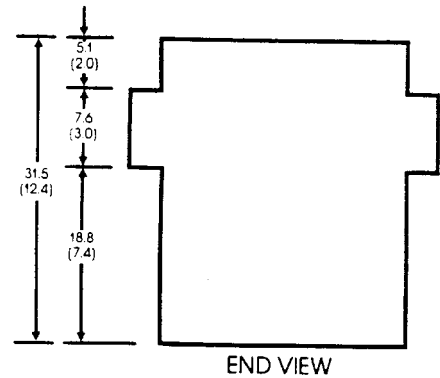
Length:	46.0 cm (18.1 in.)
Width:	31.0 cm (12.2 in.)
Height:	31.5 cm (12.4 in.)
Weight in Air:	
SB-6/180:	48.2 kg (106 lbs.)
SB-12/84:	49.0 kg (108 lbs.)
SB-24/42:	49.0 kg (108 lbs.)
SB-48/18:	49.0 kg (108 lbs.)
Weight in Water:	
SB-6/180:	18.2 kg (40 lbs.)
SB-12/84:	19.1 kg (42 lbs.)
SB-24/42:	19.1 kg (42 lbs.)
SB-48/18:	19.1 kg (42 lbs.)
Case:	Molded Polyethylene
Diaphragm:	Molded Polyether Urethane
Compensating Fluid:	Inert oil

Centimeters (Inches)



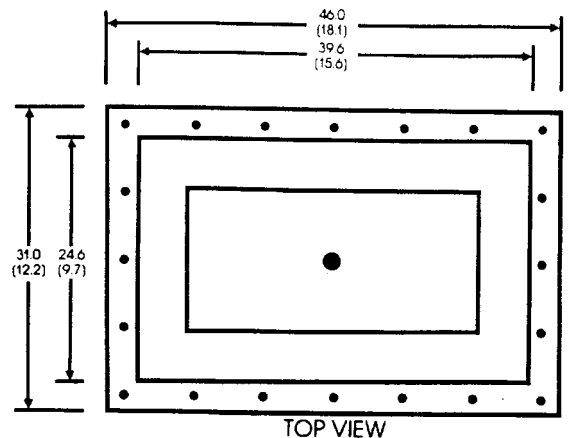
ENVIRONMENTAL

Depth:	Full ocean depth
Temperature Range:	
Charge:	-15 C to 50 C (5 F to 122 F)
Discharge:	-20 C to 60 C (-4 F to 140 F)

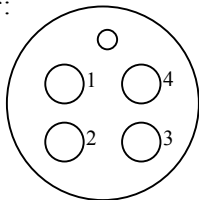


ELECTRICAL

Standard Configurations:	
SB-6/180:	6 volt, 180 amp hour
SB-12/80:	12 volt, 80 amp hour
SB-24/40:	24 volt, 40 amp hour
SB-48/18:	48 volt, 18 amp hour
Other Configurations:	Available upon special order
Internal Resistance:	35 Milliohms
Maximum Discharge Rate:	16 Amps (limited by gauge of cable)
Connector:	Right angle diaphragm penetrator on 2-meter cable terminated with IL4FS connector



Pin-out*:



- 1 = Ground (black)
- 2 = +12 volts (white)
- 3 = +12 volts (red)
- 4 = Ground (green)

* for 12V SeaBattery



Specifications subject to change without notice

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