



SeaBattery

**FULL OCEAN DEPTH
RATED**

**EXCELLENT CAPACITY
RETENTION**

FULLY INVERTABLE

**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-12/76:	49.0 kg (108 lbs.)
SB-24/38:	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-12/76:	19.1 kg (42 lbs.)
SB-24/38:	19.1 kg (42 lbs.)
SB-48/18:	19.1 kg (42 lbs.)
Case:	Molded Polyethylene
Diaphragm:	Molded Polyether Urethane
Compensating Fluid:	Inert oil

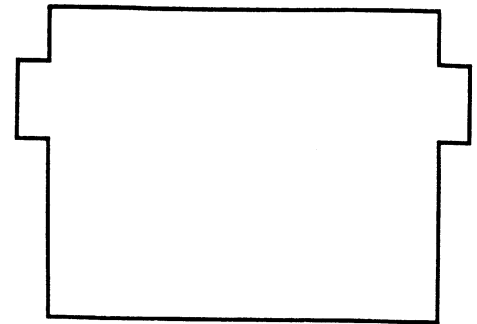
ELECTRICAL

Standard Configurations:	
SB-6/180:	6 volt, 180 amp hour
SB-12/76:	12 volt, 76 amp hour
SB-24/38:	24 volt, 38 amp hour
SB-48/18:	48 volt, 18 amp hour
Other Configurations:	Available upon special order
Internal Resistance:	35 Milliohms
Maximum Discharge Rate:	30 Amps (limited by gauge of cable)
Connector:	Right angle diaphragm penetrator on 2-meter cable terminated with IL4FS connector

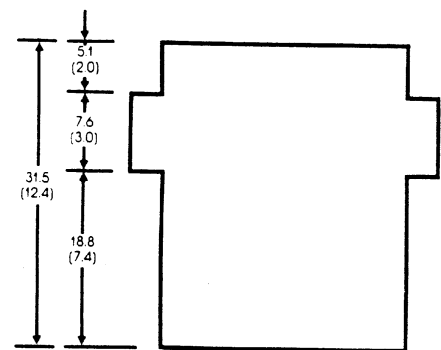
ENVIRONMENTAL

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)

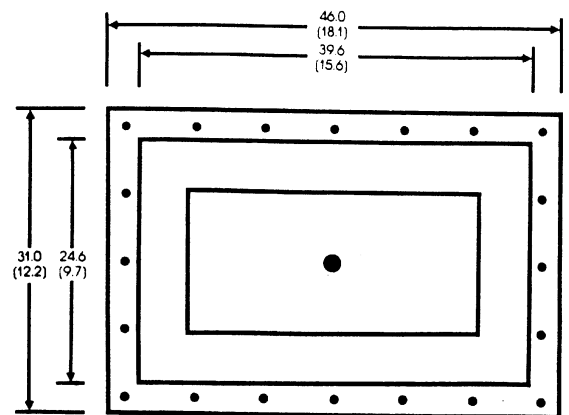
Centimeters (Inches)



SIDE VIEW



END VIEW



TOP VIEW



Specifications subject to change without notice

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