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
- **Compensating Fluid:** Inert oil

### 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)

* Specifications subject to change without notice

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