



Pressure Tolerance, Redefined

Portable Power for Deep Ocean

Untethered underwater applications requiring a portable power source face a significant challenge: the unrelenting pressure from seawater when submerged. To keep the effects of seawater pressure from imploding cells, traditional battery packs are placed inside pressure housings. These housings, whether steel, iron, titanium or advanced composite materials add significant costs to portable power consumables.

Energy Sales has redefined pressure tolerance with its newest innovation – a cost-efficient battery solution specific for deep ocean applications, addressing depths that range from 1800 to 3000 meters.

Energy Sales' Pressure Tolerant Battery System (PTBS) represents a breakthrough in cost and safety. The PTBS is ideal for use in untethered applications with extended deployment periods, including but not limited to:

- Data Loggers
- Sonde Devices
 - o used to measure conductivity, temperature and depth
- Bottom Pressure Recorders
 - o such as those used on DART®II Tsunami detection and warning systems

Specifications	
Product Category:	Battery Pack
Manufacturer:	Energy Sales
RoHS:	Not Applicable
Scalable Output Voltages:	3V to 63V
Scalable Capacity:	357 Ah to 17 Ah
Chemistry:	Alkaline
Termination Style:	Custom
Brand:	Energy Sales
Packaging:	Individual
Rechargeable/ Non-Rechargeable:	Non-Rechargeable
Maximum Operable Depth:	3000m (9,842.5 ft.)
Minimum Temperature:	2°C (35.6°F)

The initial PTBS has tested at and will operate in depths up to 3,000 meters (~10,000 ft.) and temperatures as low as 2° Celsius (35.6° F). It features a scalable design spanning from 14 to 42 cells, resulting in an energy output range of 360 to 900 Watt-hours. The configuration of the cells will be determined during the consulting design process, facilitating a precise solution for each individual customer application.

Call 1-800-96-ENERGY or email info@energy-sales.com

www.energy-sales.com