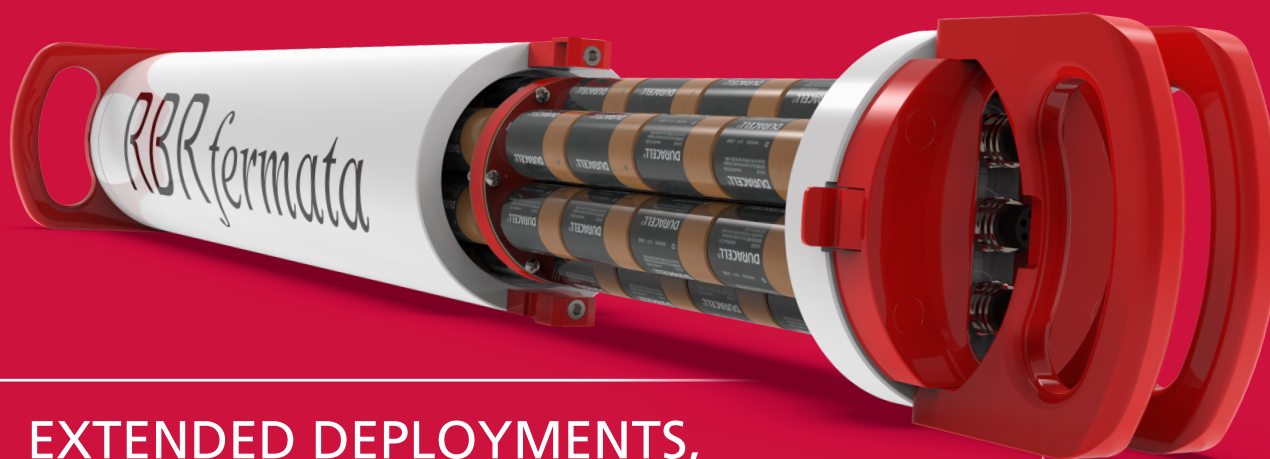


# UNDERWATER BATTERY CANISTER



## EXTENDED DEPLOYMENTS, AUTOMATIC BATTERY CONFIGURATION

The RBR*fermata* battery canister extends deployments of all instruments. It automatically configures the internal arrangement of batteries regardless of cell voltage (lithium at 3.6V, alkaline at 1.5V, Ni-MH at 1.2V) to provide a nominal 12V output. Housing 48 individual D-cells and hosting three MCBH connectors, the RBR*fermata* has both a 12V and 24V option.

## FEATURES



Up to 2.8kWh  
capacity



Overcurrent  
protection



Pressure  
relief valve



Three MCBH  
connectors



Quick-release  
handles



Battery  
carousel

The RBR*fermata* extends deployments by providing up to 2.8kWh of energy to any underwater instrument, which is about forty times greater than our standard battery carriage capacity. An innovative battery carousel coupled with quick-release handles facilitates simple, tool-free battery replacement. Polyfuses ensure overcurrent protection, resetting automatically after a fault.

## Specifications

### Physical

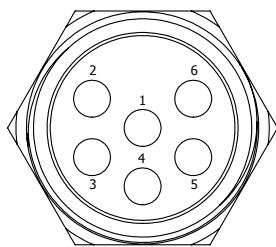
Power	48 D-cells
Connectors	Three MCBH-6-FS
Dimensions	
Housing	658mm x Ø140mm
Handles	250mm x 142mm
Housing	Plastic or Ti
Weight	
Plastic	~16kg in air, ~5kg in water (with batteries)
Ti	~32kg in air, ~20kg in water (with batteries)
Depth rating	750m, 4000m, 10000m

### Electrical

Variant	12V			24V
Battery type	Lithium thionyl chloride (Li-SOCl <sub>2</sub> )	Nickel metal hydride (Ni-MH)	Alkaline (Zn-MnO <sub>2</sub> )	Lithium thionyl chloride (Li-SOCl <sub>2</sub> )
Nominal voltage	14.4V	14.4V	16.8V	28.8V
Maximum voltage	14.7V	17.4V	18.0V	29.2V
Maximum current	15A	15A	4A	15A
Capacity	2.8kWh	0.5kWh	1.0kWh	2.8kWh



### External MCBH-6-FS connector



- ▶ Pin 1 - Ground
- ▶ Pin 2 - Power
- ▶ Pin 3 - N/C
- ▶ Pin 4 - N/C
- ▶ Pin 5 - N/C
- ▶ Pin 6 - N/C

### Retrofitting

Legacy RBR*fermata* canisters designed for shrink-wrapped battery packs can be retrofitted with the new battery carousel, quick-release handles, and new electronic hardware.

Contact RBR at [support@rbr-global.com](mailto:support@rbr-global.com) for details.

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