

# 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 the nominal output. Housing 48 individual D-cells and hosting three MCBH connectors, the RBR*fermata* has both 14V and 28V options.

## FEATURES



Up to 2.8kWh capacity



Overcurrent protection



Pressure relief valve



Three MCBH connectors



Quick-release handles



Battery carousel

The following configurations are available:

- ▶ 14V or 28V variants
- ▶ Quick-release or low-profile handles
- ▶ 750m, 4000m, or 8000m depth rating

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. A variant with low-profile handles is available for flexible integration with the Wirewalker (DMO). Polyfuses ensure overcurrent protection, resetting automatically after a fault.

## UNDERWATER BATTERY CANISTER

EXTENDED DEPLOYMENTS, AUTOMATIC BATTERY CONFIGURATION

### Specifications

#### Physical

Power	48 D-cells
Connectors	Three MCBH-6-FS
Housing	Plastic or Ti
Length	663mm (quick-release) 686mm (low-profile)
Diameter	Ø140mm
Handles (quick-release)	250mm x 142mm
Weight (plastic, with batteries)*	Quick-release variant: ~14-17kg in air, ~3-5kg in water  Low-profile variant: ~13-15kg in air, ~3-5kg in water
Weight (Ti, with batteries)*	Quick-release variant: ~27-30kg in air, ~16-18kg in water  Low-profile variant: ~29-32kg in air, ~19-22kg in water
Depth rating	750m, 4000m, 8000m
Operating temperature	-5°C to 35°C

\* Dependent on battery type.

#### Electrical

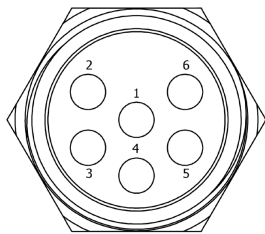
Parameter	14V variant			28V variant
Battery type	Lithium thionyl chloride	Nickel metal hydride	Alkaline	Lithium thionyl chloride
Nominal voltage	14.4V	14.4V	18.0V	28.8V
Maximum current	15A	15A	4A	15A
Capacity	2.8kWh	0.5kWh	0.9kWh	2.8kWh

#### Retrofitting

Legacy RBR*fermata* battery 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.



#### 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

#### RBR Ltd

+1 613 599 8900  
[info@rbr-global.com](mailto:info@rbr-global.com)  
[rbr-global.com](http://rbr-global.com)