

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 10000m 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.

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Specifications

Physical

Parameter	Model with quick-release handles	Model with low-profile handles
Power	48 D-cells	48 D-cells
Connectors	Three MCBH-6-FS	Three MCBH-6-FS
Housing	Plastic or Ti	Plastic or Ti
Length	663mm	686mm
Diameter	Ø140mm	Ø140mm
Handles	250mm x 142mm	Ø140mm
Weight (plastic, with batteries)*	~14-17kg in air, ~3-5kg in water	~13-15kg in air, ~3-5kg in water
Weight (Ti, with batteries)*	~27-30kg in air, ~16-18kg in water	~29-32kg in air, ~19-22kg in water
Depth rating	750m, 4000m, 10000m	750m, 4000m, 10000m

* Dependent on battery type.

Electrical

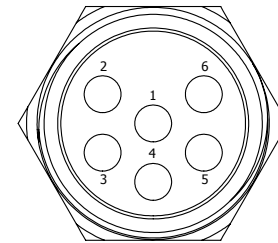
Parameter	14V variant			28V variant
	Lithium thionyl chloride	Nickel metal hydride	Alkaline	Lithium thionyl chloride
Nominal voltage	14.4V	14.4V	18.0V	28.8V
Maximum current	15A	15A	4A	15A
Capacity	2.8kWh	0.5kWh	0.9kWh	2.8kWh

Retrofitting

Legacy RBRfermata 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 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
rbr-global.com