

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

Specifications

Physical

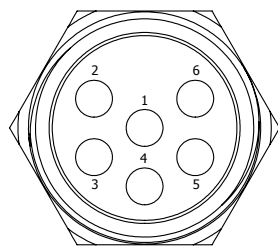
Power	48 D-cells
Connectors	Three MCBH-6-FS
Dimensions	
Housing	658mm x Ø140mm
Handles	250mm x 142mm
Housing	Plastic or Ti
Weight	
Plastic	~16kg in air, ~5kg in water (with batteries)
Ti	~32kg in air, ~20kg in water (with batteries)
Depth rating	750m, 4000m, 10000m

Electrical

Variant	12V			24V
Battery type	Lithium thionyl chloride (Li-SOCl ₂)	Nickel metal hydride (Ni-MH)	Alkaline (Zn-MnO ₂)	Lithium thionyl chloride (Li-SOCl ₂)
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 RBRfermata 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.

RBR Ltd

+1 613 599 8900
info@rbr-global.com
rbr-global.com